

STORMWATER SAMPLING DATA REPORT
REVISION 2

REMEDIAL DESIGN SERVICES
SWAN ISLAND BASIN PROJECT AREA
CERCLA DOCKET NO. 10-2021-001

PORTLAND HARBOR SUPERFUND SITE
PORTLAND, MULTNOMAH COUNTY, OREGON

Prepared for:
Swan Island Basin Remedial Design Group

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December 2024

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Contract Number: DT2002

Prepared for:

Swan Island Basin Remedial Design Group

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LIST OF ACRONYMS AND ABBREVIATIONS

ft	feet/foot
L	liter
L/min	liters per minute
ALS	ALS Environmental
ARI	Analytical Resources, LLC
BEHP	bis(2-ethylhexyl)phthalate
BES	Bureau of Environmental Services
CFA	Cape Fear Analytical, LLC
COC	contaminant of concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CUL	cleanup level
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DDx	DDD + DDE + DDT
DEQ	Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
FCR	field change request
HDPE	high-density polyethylene
HGL	HydroGeoLogic, Inc.
HVS	high-volume sampling
HxCDF	1,2,3,4,7,8-hexachlorodibenzofuran
ILS	in-line sediment
JSCS	Joint Source Control Strategy
MDL	Method Detection Limit
OCP	organochlorine pesticides
PAH	polycyclic aromatic hydrocarbons
PAL	Project Action Limit
PBOT	Portland Bureau of Transportation
PCB	polychlorinated biphenyl

PCDD	polychlorinated dibenzodioxins
PCDF	polychlorinated dibenzofurans
PDI	Pre-Design Investigation
PeCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF	2,3,4,7,8-pentachlorodibenzofuran
PHSS	Portland Harbor Superfund Site
PQL	Practical Quantitation Limit
PUF	polyurethane foam
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RD	Remedial Design
ROD	Record of Decision
SCC	Shipyard Commerce Center
SGS	SGS North America
SIB	Swan Island Basin
SRASP	Stormwater and Riverbank Assessment and Sampling Plan
TBT	tributyltin
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TOC	total organic carbon
TSS	total suspended solids
UFP	Uniform Federal Policy
USCG	U.S. Coast Guard

STORMWATER SAMPLING DATA REPORT
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PORTLAND HARBOR SUPERFUND SITE
PORTLAND, MULTNOMAH COUNTY, OREGON

1.0 INTRODUCTION

This Stormwater Sampling Data Report presents the results of stormwater sampling and data collection activities conducted as part of the Pre-Design Investigation (PDI) for the Swan Island Basin (SIB) Project Area within the Portland Harbor Superfund Site (PHSS) in Portland, Multnomah County, Oregon. Bridgewater Group, Inc., Orbislogic, LLC, and HydroGeoLogic, Inc. (HGL) performed the work on behalf of the SIB Remedial Design (RD) Group based on the requirements of the PHSS Record of Decision (ROD) (U.S. Environmental Protection Agency [EPA], 2017) and the Administrative Settlement Agreement and Order on Consent (EPA, 2021a). The work was performed in accordance with the final PDI Work Plan, which the EPA approved in May 2022 (HGL, 2022a), and the Stormwater and Riverbank Assessment and Sampling Plan (SRASP), which EPA approved in November 2021 (HGL, 2021).

1.1 OBJECTIVES AND SCOPE

Stormwater outfall and conveyance system sampling was needed to fulfill two purposes: (1) address data gaps necessary to complete the source control sufficiency assessment, and (2) provide input parameters for modeling to assess the recontamination potential for the SIB. The scope of this effort included the collection of stormwater and stormwater solids samples within larger City of Portland (city) and smaller non-city conveyance systems that discharge to the SIB Project Area. Sampling of municipal conveyance systems included the city M-1, M-2, M-3 S-1, and S-2 outfall basin conveyance systems and six non-city conveyance systems with direct discharges to SIB. Sampling was necessary to determine current ROD Tables 17 and 21 contaminant of concern (COC) concentrations to estimate loads to the SIB.

The following stormwater conveyance system data collection activities were performed:

- Collection of stormwater from city outfall basins using high volume sampling (HVS) systems during three storm events meeting criteria established in the Oregon Department of Environmental Quality (DEQ) and EPA Joint Source Control Strategy (JSCS) (2005);
- Collection of stormwater samples using automatic stormwater samplers at non-city outfalls during the same three storm events;
- Collection of stormwater solids from city outfall basins by the following: (1) time-integrated, in-line, sediment (ILS) samplers within the public conveyance systems; and (2) manual grab sampling from public manhole sumps and adjacent laterals in the conveyance systems (where sufficient volume is present); and,
- Collection of continuous water level and velocity measurements using water-level-velocity sensors and loggers in city outfall basins to be converted to flow and volume using the cross-sectional geometry of flow in the pipes.

Stormwater outfall and conveyance system data collection will be used to characterize stormwater conditions to determine if current upland source control measures are adequate and to support the evaluation of post-remedy recontamination of SIB sediments. The data presented in this report will be used to develop the input parameters for the stormwater loading in the SEDCAM recontamination model.

1.2 PROJECT AREA BACKGROUND

The SIB Project Area is the active cleanup area designated in the ROD between approximately River Miles 8.1 and 9.2 on the northeast side of the Willamette River (Figure 1-1). The SIB Project Area is approximately 1.1 miles in length, 117 acres in size, and includes riverbanks.

1.3 DOCUMENT ORGANIZATION

The report is organized into the following sections:

- Section 1.0 presents an introduction, including the objectives and scope of stormwater outfall and conveyance system sampling;
- Section 2.0 describes sampling activities;
- Section 3.0 summarizes the analytical results;
- Section 4.0 summarizes the conclusions of the stormwater outfall and conveyance system data collection activities; and
- Section 5.0 lists the references cited in this Stormwater Sampling Data Report.

Supporting information is provided in the following attachments.

- Attachment A – Field Investigation
    - Attachment A.1 Stormwater Conveyance Equipment Installation Field Summaries
    - Attachment A.2 Stormwater Sampling Collection Summary
    - Attachment A.3 HVS Sample Log Summary
    - Attachment A.4 HVS Field Parameters Collection Summary
    - Attachment A.5 Field Change Requests
    - Attachment A.6 Daily Field Reports
    - Attachment A.7 Flow Monitoring Data Collection Logs

- Attachment B – Laboratory Analytical Results
    - Attachment B.1 Laboratory Analytical Results
    - Attachment B.2 Data Validation Reports
    - Attachment B.3 Analytical Data Packages

2.0 STORMWATER AND STORMWATER SOLIDS SAMPLING AND ANALYTICAL ACTIVITIES

The stormwater and stormwater solids sampling field activities occurred between January 2022 and June 2023. The timing of each completed activity is presented in Table 2-1. The field activities included the collection of stormwater samples from five city and six non-city outfalls during three EPA-DEQ JSCS qualifying events without inundation by the river, seasonally representative stormwater solids samples, and near-continuous flow data within five city outfall basin conveyance systems.

Samples were collected from 11 outfall basins, including five large city outfall basins (M-1, M-2, M-3, S-1, S-2) and six smaller non-city outfall basins that directly discharge along the riverbank of the SIB, including at one federal, one Port of Portland (port) and four private facilities (Figure 2-1). To achieve the very low ROD Table 17 cleanup levels (CULs) for organic COCs, filtered and whole water stormwater and solids samples were collected from the city conveyance systems using a HVS (Gravity Marine PR2900) system during three qualifying DEQ-EPA JSCS events.

In addition to collecting stormwater solids via the HVS method, stormwater solids were collected by installing long-term ILS samplers in the most downstream laterals near the outfalls in each city outfall basin conveyance system and by attempting to collect manual grab samples from these laterals in the conveyance systems prior to ILS sampler installation. However, no accumulated solids were observed for sampling before installation of the ILS samplers.[1]

The smaller non-city outfall conveyance systems along the SIB shoreline could not accommodate the equipment required for HVS sampling; instead, Teledyne ISCO® portable autosamplers (were deployed to collect flow-weighted, composite, stormwater samples at elevations sufficient to minimize the potential for river water to back up into the sample locations during the same storm events as the HVS samples. Collection of manual grab samples of stormwater solids was also attempted in the smaller non-city conveyance systems before deployment of the portable samplers. However, no accumulated solids were observed for sampling at the smaller non-city outfall sampling locations.

2.1 SAMPLING LOCATION RECONNAISSANCE AND SELECTION

In January 2022, pursuant to City Bureau of Environmental Services (BES) Access Authorization and Portland Bureau of Transportation (PBOT) permits, HGL conducted a field reconnaissance of all the proposed primary city and non-city stormwater manholes and outfalls listed in Tables 2-1 and 2-2 and presented on Figure 2-1.

2.1.1 City Conveyance System Sample Locations

The city manholes were inspected to determine the most downstream, accessible locations for equipment deployment, road traffic safety considerations, and ease of access for field staff and

[1] The lack of sampleable accumulated solids for manual grab sampling did not impact the overall dataset because the ILS samples and subsequent data obtained during the wet and dry seasons were more representative of the solids being transported in the conveyance systems during precipitation events.

equipment. Where accessible, the manhole covers were removed to allow visual assessment of the manhole conditions, ease of equipment installation and accessibility for monthly inspections and logger downloads, and seasonal sampling. Manholes and outfalls were also assessed in relation to the nearby river levels, and suitable locations above the estimated mean high river levels were identified.

In general, the following locations (Table 2-2 and Figure 2-1) were considered favorable for the proposed sampling activities outlined in the PDI Work Plan (HGL, 2022a) and SRASP (HGL, 2021).

- **Outfall M-1** – The M-1 drainage basin includes 162 acres of mostly transportation related activities (truck assembly, warehouses, parking, and loading areas) (City, 2014a and 2014b). Aside from minor street drains, manhole AAM104 is the last major convergence of stormwater conveyance pipes leading to outfall M-1. The elevation of AAM104 was considered high enough to avoid mean high water river conditions during most of the monitoring program. Three laterals converge at this location, from northwest, northeast, and southeast directions, required three water-level- velocity sensor and ILS sampler installations to calculate total stormwater flows to the outfall M-1 terminus. Water-level - velocity sensor and logger and ILS sampler sampling activities at manhole AAM104 required significant traffic control to temporarily close the intersection's turn lane. However, significant traffic control could not provide for long-term access required for the HVS sampling events. As a result, manhole AAM107, located down pipe from AAM104, was selected for HVS sampling due to easier access, although its lower elevation was not favorable for long-term flow monitoring and stormwater solids sampling due to likely inundation during mean high-water river levels.
- **Outfall M-2** – The M-2 drainage basin includes 135 acres of mostly transportation related activities (warehouses and trucking operations) (City, 2014a and 2014c). Manhole AAM169 is the last major convergence of stormwater conveyance pipes leading to outfall M-2. The elevation of AAM169 was considered high enough to avoid inundation during mean high-water river conditions. Three laterals converge at this location, from northwest, east, and southeast directions, requiring three water-level-velocity sensor and logger and ILS sampler installations to calculate total stormwater flows to the outfall M-2 terminus. AAM169 was also selected for HVS sampling since there were no other suitable manholes that represent the total outfall flows. However, significant traffic control was needed to temporarily close one lane of traffic to sample at AAM169.
- **Outfall M-3** – The M-3 drainage basin includes 104 acres of light industrial (warehousing, trucking, manufacturing, and a dairy plant) and commercial (bank and restaurant) land uses (City, 2014a and 2014d). The outfall is submerged for most of the year and the conveyance leading to the outfall is often inundated even during the mean river stage. During the reconnaissance, it was observed that AAQ003 and AAQ004, although suitable as representative of total annual outfall flows, were often flooded. Manhole AAQ005 was selected as the closest manhole for water-level-velocity sensor and logger and ILS sampler installation as well as HVS sampling. As a result, an estimated 21 acres of the 104-acre drainage area was not monitored as part of the PDI. There are two laterals leading to this conveyance down pipe of AAQ005. Of these, AND479 was selected for one of the lateral sampling locations for installing ILS samplers. ILS samples from AND479, in combination

with AAQ005 ILS results, will be used to evaluate the recontamination potential that is representative of the entire M-3 basin. The second lateral converges at AAQ003 but only captures two street drains and was not included in the stormwater sampling design for outfall M-3. Both AAQ005 and AND479 are not located within the roadway, so traffic control requirements were not applicable.

- **Outfall S-1** – The S-1 drainage basin includes approximately 23 acres of heavy industrial land uses (City, 2014a and 2014e). Industrial activities in the basin include shipyard support operations (e.g., material loading and handling, small equipment refueling, temporary waste storage, painting, and parts coating and cleaning), metal fabrication, painting, arterial/equipment storage, and truck repair and parts sales. Manhole AAM131, located on the Project Fleet Owner, LLC/Shipyard Commerce Center (SCC) property, has two laterals, northwest and southeast, converging before flowing to outfall S-1. AAM131 was selected for water-level-velocity sensor and ILS sampler installation in each lateral to calculate the combined total flow. AAM131 was also selected for HVS sampling. AAM131 is located on private property in a minimal use area of SCC, so permits and traffic control requirements were not applicable.
- **Outfall S-2** – The S-2 drainage basin includes approximately 27 acres of light industrial land uses (truck servicing and repair, truck assembly and testing, light manufacturing [e.g., electrical testing equipment and stage and theater equipment], and machine shop services) (City, 2014a and 2014f). Manhole AAP957 has two laterals, northwest and southeast, converging before flowing to outfall S-2. AAP957 was selected for water-level-velocity sensor and ILS sampler installation in each lateral to calculate the combined total flow. AAP957 was also selected for HVS sampling. Significant PBOT-permitted traffic control was required for this location. However, AAP957 is located within one lane of a three-lane, one-way street, thus requiring only partial traffic flow restrictions.

2.1.2 Non-City Outfall Sample Locations

The following locations were selected for non-city outfall ISCO stormwater sampling (Figure 2-1):

- Outfall WR-198, located at the federal U.S. Coast Guard (USCG) Marine Safety Unit property. This outfall's drainage area was selected for monitoring because it is the largest of the facility's four drainage areas (2.4 acres of a total of 3.6 acres of upland operational areas including roadways, administrative/government/retail use buildings, a garage, a small boat maintenance and materials storage shop, an ammunition/paint/battery storage area, and a scrap metal bin) (AECOM, 2016).
- Surface runoff to a bioswale and catch basin leading to WR-71, located on the ATC Leasing Co. Property. This outfall receives runoff from up to 2.45 acres of paved, temporary parking of new trucks prior to delivery to owners and storage areas (AECOM, 2017).
- Outfall WR-186, which receives surface water runoff from 2.72 acres of the 4.8-acre paved, Barge Eagle business (truck terminal and maintenance shop), located on the Swan Island Dock Company property (Wood Environment & Infrastructure Solutions, Inc., 2021).

- Outfall WR-15, which receives runoff from 4.9 acres of the paved North Basin Watumull LLC property occupied by warehouses and parking areas.
- A stormwater treatment unit leading to WR-253[2], located on the Freightliner Wind Tunnel property that receives runoff from 1.0 acres of paved parking areas and two building roofs.
- Surface water runoff from a 0.87-acre paved storage area to catch basins that discharge to outfall WR-34, located on Port of Portland's North Lagoon Avenue property.[3]

2.2 STORMWATER SAMPLING ACTIVITIES

Field activities included the collection of HVS stormwater and stormwater solids from city conveyance systems and grab stormwater samples from non-city outfall basins between January 2022 and June 2023 (Table 2-1). The sampling activities were conducted in accordance with the PDI Work Plan (HGL, 2022a) and SRASP (HGL, 2021). The following subsections describe sampling techniques utilized at each stormwater basin including any deviations and adaptations based on site conditions. Attachment A includes stormwater conveyance equipment installation field summaries (Attachment A.1); a complete summary of stormwater sample collection (Attachment A.2); HVS sample and field parameter collection summaries (Attachments A.3 and A.4, respectively), field change requests (Attachment A.5); daily field reports, including field notes and photographs (Attachment A.6); and flow monitoring data and processing information (Attachment A.7).

2.2.1 High Volume Sampling

Seasonally representative HVS stormwater sample collection and processing were conducted at manholes within the city conveyance systems. Targeted storms were tracked via the National Oceanic and Atmospheric Administration, National Weather Service, local weather news, and the Windy forecast at www.windy.com to anticipate if the duration and potential total precipitation of the storm event would meet the Portland Harbor JSCS guidance (DEQ and EPA, 2005). The Portland Harbor JSCS guidance storm event criteria include the following:

- Antecedent dry period of at least 24 hours (as defined by less than 0.1 inch over the previous 24 hours);
- Minimum predicted rainfall volume of greater than 0.2 inch per event; and
- Expected duration of storm event of at least 3 hours.

In total, three successful HVS sampling events were completed by pumping large quantities of stormwater from city manholes with a high-volume peristaltic pump and processing the water through an HVS system. Pulsar Measurement Greyline Stingray 2.0 water-level-velocity sensors were installed from late January 2022 to June 2023 to record near-continuous water-level–velocity

[2] Outfall WR-253 was inadvertently identified as outfall WR-428 in field and laboratory documentation during sampling events.

[3] Due to no flow into a catch basin connected to WR-30, the catch basin to proposed location WR-30 was not sampled during the May 5, 2022, sampling event; the catch basin and associated outfall sample location was moved to the designated alternate WR-34 catch basin for subsequent sampling events.

data from all contributing conveyance system laterals leading to the city outfalls in SIB. The sensors were installed with co-located ILS samplers, except in manhole AND479, as discussed in Section 2.2.5.

The spring HVS samples were collected May 5, 2022, the fall first-flush[4] HVS samples were collected October 21, 2022, and the winter HVS samples were collected March 9, 2023 (Table 2-1). Figures 2-2a through 2-2c present stormwater flow and precipitation conditions recorded during the sampling events and illustrate the flow velocities during HVS collection periods. The figures show the hourly and cumulative precipitation in tenths of an inch, flow velocities measured in cubic feet per second (cfs) by the dedicated flow water-level-velocity sensors at each HVS location and the timing of the HVS sample collection in relation to the precipitation conditions during the sampling activities. The figures also show the total precipitation recorded during the targeted storms from the city HYDRA rainfall network rain gages located on and near Swan Island (City North Region gages 993 and 1165, https://or.water.usgs.gov/non-usgs/bes/) to confirm that the sampling events satisfied the JSCS storm criteria.

HVS samples were collected from each city conveyance system stormwater basin by accessing manhole vaults under city Bureau of Environmental Services (BES) and Portland Bureau of Transportation (PBOT) permits. The locations are summarized as follows:

- **Basin M-1**: HVS samples were collected at city manhole AAM107. Flow data was collected at the northwest (NW), southeast (SE) and northeast (NE) laterals into manhole AAM104.
- **Basin M-2**: HVS samples were collected at city manhole AAM169, with co-located flow data collected from NE, east (E), and southwest (SW) laterals.
- **Basin M-3**: HVS samples were collected at city manhole AAQ005, with co-located flow data collected in a single pipe without laterals that captures runoff from most of the M-3 basin.
- **Basin S-1**: HVS samples were collected from city manhole AAM131, with co-located flow data collected from NE and SW laterals.
- **Basin S-2**: HVS samples were collected from city manhole AAP957, with co-located flow data collected from NE and SW laterals.

HVS stormwater samples were collected for ultra-low detection of concentrations of organic COCs. The samples were collected using a high-volume peristaltic pump with both platinum silicone tubing and extended Teflon™-lined polypropylene sample tubing lowered to the base of the pipe within the conveyance system. Water pumped at a rate of up to 1.5 liters per minute (L/min) was drawn through Teflon™ tubing and through a dedicated pre-filter set. Each sample was collected by pumping at least the target volume minimum of 200 liters (L) over at least 3 hours of elevated stormwater flow rates during the rising limb of the hydrograph. Field data including HVS pump rates, calculated volumes, flow rates, pre-filter sample collection, and whole water

[4] First-flush refers to the collection of samples during the first storm event after the dry season that met the JSCS criteria.

sample volume were recorded for each station for each sampling event and is included in Attachment A.4.

The solids captured in the pre-filters were placed in one sample container and shipped to SGS North America (SGS) in Wilmington, NC. The pre-filter solids sample is referred to as the "Front Half" of the HVS system and was analyzed to represent the total particulate phase fraction of SIB recontamination potential chemicals collected throughout the storm. The concentration data from the particulate fraction was used to (1) mathematically calculate the particulate phase portion of the whole water concentration; and (2) mathematically calculate the particulate concentration in units of solids.

After stormwater was pumped through the "Front Half" of the HVS system and solids were removed via the pre-filters, the water entered the "Back Half" of the HVS system and was drawn through a polyurethane foam (PUF) cartridge, which contained solid phase extraction resins that bind dissolved forms of the compounds in question (e.g., polychlorinated biphenyls [PCBs]). After sampling, the sealed PUF cartridges were labeled and sent to SGS for analysis representative of the dissolved fraction of focused COCs (PCB congeners, dioxins/furans [PCDD/PCDFs], and organochlorine pesticides [OCPs]) in stormwater.

Physical field measurements and separate bulk water samples were collected in tandem with the HVS system sampling by connecting a second Teflon™-lined polypropylene tube to a second peristaltic pump, tubing set, and carboy with mixing chamber. This parallel system had flow-through chambers with a YSI Exo multi-meter installed for continuous measurement of dissolved oxygen, pH, turbidity, and temperature (Attachment A.4). Stormwater collected in carboys was transported to ALS Environmental (ALS) in Kelso, WA, where analyses were performed for total suspended solids (TSS), total organic carbon (TOC), and Table 17 surface water COCs (excluding the focused COCs: PCDD/PCDF, PCBs, and OCPs). Stormwater solids were separated by centrifuge in the laboratory and, due to limited volume, analyzed for only metals.

The following deviations and associated approved Field Change Requests (FCRs) to the sampling approach were required to enable sampling to occur:

- FCR #1 (HGL, 2022b): An HVS sampler was to be installed and stormwater/stormwater solids samples collected at manhole location AAQ004. However, AAQ004 (in the M-3 drainage basin) was inundated with 4.5 feet (ft) of water and was not safely accessible. Manhole AAQ005, immediately up pipe and in the same drainage basin, was selected as the alternative location and approved by EPA.
- FCR #4 (HGL, 2022c): Addition of ILS samples collected at manhole location AND479. Samples from this location support the determination of whether potential PCB-contaminated solids (originating from a former DEQ-identified contaminated site) are entering the M-3 stormwater conveyance system, in combination with AAQ005 ILS results, and pose a recontamination potential for the M-3 basin.

2.2.2 Automatic Stormwater Sampling

During the three storm events when HVS samples were collected, time-weighted, composite stormwater samples were also collected from six non-city outfall locations using automatic samplers in general accordance with the PDI Work Plan (HGL, 2022a). Automatic sampling was conducted to provide a "snapshot" of COC concentrations discharging to the SIB during rain events meeting the JSCS criteria. The samples were collected similarly to the HVS samples collected in city outfall basins, although they were collected during shorter, 30-minute sampling durations within the rising limb of the stormflow.

Teledyne ISCO 6712C portable autosamplers were installed at the following properties (Figure 2-1):

- USCG Marine Safety Unit outfall WR-198;
- ATC Leasing Co. in the final catch basin leading to outfall WR-71;
- Barge Eagle / Swan Island Dock Company outfall WR-186;
- North Basin Watumull LLC outfall WR-15;
- Freightliner Wind Tunnel in the discharge from the storm filter treatment unit leading to outfall WR-253; and
- Port's North Lagoon Avenue property, within a catch basin leading to outfall WR-34.

The following deviations to the sampling approach were required to enable sampling to occur:

- During installation of the autosamplers, attempts were made to install compatible flow sensors to collect annual flow data; however, due to the configuration of the catch basins and/or outfalls, the flow sensors were unable to be installed. The PDI Work Plan (HGL, 2022a) describes the programmed autosampler collection based on elevated flow measurement where the sample collection begins when flows exceed baseline flows. Without the flow sensors installed, the autosamplers were instead remotely triggered via a modem connection to begin sample collection once it was observed that the city conveyance system had elevated flow and the HVS sampling program had been initiated.

2.2.3 Manual Grab Solids Collection

The PDI Work Plan (HGL, 2022a) proposed the collection of manual grab samples consisting of accumulated solids observed in manhole sumps and/or adjacent pipe inlets within the city stormwater conveyance system. The manual grab samples were targeted to be collected from each of the manhole sumps where ILS samplers and flow sensors were installed.

Attempts were made to identify accumulated solids in the city stormwater conveyance system during the installation of the ILS samplers and flow sensors in January 2022; however, no accumulated solids were observed. For each equipment maintenance and ILS sample collection event (Table 2-1), the sample team was equipped to collect manual grab samples. Only one manual grab solid sample was collected, at AAM169-NW, during the removal of the ILS sampler arrays on June 17, 2023. The lack of manual grab sample data did not impact study objectives because ILS samples were collected during the wet and dry seasons, and these results are more representative of the solids being transported in the conveyance systems during precipitation events.

2.2.4 In-line Sediment Sampler Solids Collection

ILS sampler installation, sample collection, and processing were conducted to collect near-continuous, seasonally representative stormwater solids from the five city stormwater conveyance systems that terminate in SIB (M-1, M-2, M-3, S-1, S-2). Installation dates and storm drain information for each conveyance are presented in Table 2-1.

Each ILS sampler array consisted of custom stainless-steel brackets holding four 1-L high-density polyethylene (HDPE) sample bottles. At each designated sampling location, the samplers were installed at the bottom of each of the lateral pipes contributing to the conveyance system. Attachment A.1 provides the equipment installation schematics, including ILS sampler locations.

- **M-1**, ILS samplers were installed at city manhole AAM104 in the following laterals:
    - AAM104-NW, approximately 5 ft upstream of bottom of manhole, 54-inch concrete pipe;
    - AAM104-SE, approximately 4 ft upstream of bottom of manhole, 36-inch concrete pipe; and
    - AAM104-NE, approximately 4 ft upstream of bottom of manhole, 27-inch concrete pipe.
- **M-2,** ILS samplers were installed at city manhole AAM169 in the following laterals:
    - AAM169-NW, approximately 8 ft upstream of bottom of manhole, 60-inch concrete pipe;
    - AAM169-SE, approximately 4 ft upstream of bottom of manhole, 27-inch concrete pipe; and
    - AAM169-E, approximately 2 ft upstream of bottom of manhole, 21-inch concrete pipe.
- **M-3,** ILS samplers were installed at city manhole AAQ005 and down-pipe lateral AND479:
    - AAQ005, approximately 6 ft upstream of bottom of manhole, 48-inch concrete pipe; and
    - AND479, array split approximately 2 ft upstream and 2 ft downstream of bottom of manhole, 18.5-inch concrete pipe.
- **S-1,** ILS samplers were installed at city manhole AAM131 in the following laterals:
    - AAM131-NW, approximately 4 ft upstream of bottom of manhole, 27-inch concrete pipe; and
    - AAM131-SE, approximately 1 ft upstream of bottom of manhole, 18-inch concrete pipe.
- **S-2,** ILS samplers were installed at city manhole AAP957 in the following laterals:
    - AAP957-NW, approximately 4 ft upstream of bottom of manhole, 30-inch concrete pipe; and
    - AAP957-SE, approximately 2 ft upstream of bottom of manhole, 21-inch concrete pipe.

ILS samplers were installed between January 24 and March 3, 2022, (Table 2-1) and left in place to collect stormwater solids. The stormwater solids that accumulated in the HDPE sample containers were collected on May 2 through 4, 2022, and new collection containers were placed in the samplers; samples collected from AAM169 (M-2) and AAQ005 (M-3) may have been impacted with suspended sediment from river inundation in February and/or March 2022.[5] The stormwater solids that accumulated in the second set of ILS containers were collected on August 27 and 28, 2022, and new collection containers were placed in the ILS samplers; all of the samples, except AND479, may have been impacted with suspended sediment from river inundation in May, June and/or July 2022. The third set of ILS samples were collected on November 11 and 12, 2022, and new collection containers were placed in the samplers. The fourth and final set of ILS samples were collected June 17 and 18, 2023, when the ILS sampler arrays were removed from the city stormwater conveyance system; all of the samples, except AND479, may have been impacted with suspended sediment from river inundation in December 2022, January, April and/or May 2023.

The first and fourth deployment periods are representative of wet season stormwater flow conditions and coincide with the May 2022 HVS and ISCO stormwater sampling event. Sample mass from the first and fourth periods collected from each ILS sampler array within each lateral were composited for analysis. The second and third deployment periods are representative of the dry season stormwater flow conditions and coincide with the October 2022 HVS and ISCO stormwater sampling event. Sample mass collected from the second and third periods collected from each ILS sampler array within each lateral were composited for analysis.

During each ILS sampling event, the containers in each sampler were photographed, retrieved, and replaced with laboratory-supplied, clean, empty containers (Attachment A.6). The height of solids present in each container was recorded, and the container was capped and submitted to ALS for subsequent sample homogenization and analysis. Table 2-3 summarizes the height of sediment and the mass (based on dry weight) of sediment in the containers during each retrieval event and locations and events potentially impacted with suspended solids during river inundation; the largest amounts of sediment were collected in drainage basins M-1 and M-2 during the wet and dry seasons.

2.2.5 Flow Monitoring

A water-level-velocity sensor and logger (Pulsar Measurement Greyline Stingray 2.0) were installed concurrently with each of the ILS sampler arrays to measure the water depth and velocity.[6] A description of the installation location of each flow meter is provided below.

- **M-1**, flow meters were installed at city manhole AAM104 in the following laterals:
  - AAM104-NW, approximately 5 ft upstream of the ILS samplers;
  - AAM104-SE, approximately 6 ft upstream of the ILS samplers; and,
  - AAM104-NE, approximately 6 ft upstream of the ILS samplers.
- **M-2,** flow meters were installed at city manhole AAM169 in the following laterals:
  - AAM169-NW, approximately 6 ft upstream of the ILS samplers;

[5] Attachment A.7 contains a table and figure summarizing inundation periods for each outfall.
[6] A level-velocity sensor and logger were not installed in the AND479 manhole.

  - AAM169-SE, approximately 4 ft upstream of the ILS samplers; and,
  - AAM169-E, approximately 5 ft upstream of the ILS samplers.

- **M-3,** flow meters were installed at city manhole AAQ005:
  - AAQ005, approximately 4 ft upstream of the ILS samplers.

- **S-1,** flow meters were installed at city manhole AAM131 in the following laterals:
  - AAM131-NW, approximately 4 ft upstream of the ILS samplers; and,
  - AAP131-SE, approximately 3 ft upstream of the ILS samplers.

- **S-2,** flow meters were installed at city manhole AAP957 in the following laterals:
  - AAP957-NW, approximately 4 ft upstream of the ILS samplers and
  - AAP957-SE, approximately 3 ft upstream of the ILS samplers.

During installation, the pipe diameter and shape was programmed into the flow sensor unit and the water depths reported were verified by direct measurement. The flow sensor software converted the flow data to volume as cubic feet per second (cfs) using the cross-sectional geometry of the flow in the pipe. Flow data was collected near continuously during the entire wet and dry season installations, including the HVS event discussed in Section 2.2, Data retrieval and maintenance for level-velocity sensors occurred on approximately 1-month intervals (Attachment A.7). During the monthly flow data download and equipment maintenance events, the data were reviewed for any erroneous recordings due to issues including sensor malfunctions (i.e., readings outside of operational limits), biofouling, or debris build-up; these data were not included in the total average monthly flow rate and volume calculations. The raw flow data were also reviewed and adjusted to ensure the flow volumes were representative of the conveyance system outfall discharge. Specifically, comparisons of the invert elevations of the stormwater laterals in which the sensors were installed to surface water elevations in SIB were calculated to identify periods of flow data to be excluded from the monthly total flow volume calculations during periods when the conveyance systems were inundated by high river water and flow was measured during dry periods in laterals with no observed dry-weather flow (Attachment A.7). Processed flow data are included in Attachment A.7 and illustrated in Figure 3-8.

2.3 FIELD QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Field quality assurance (QA)/quality control (QC) samples were specified for collection in Worksheet #20 of the Uniform Federal Policy (UFP)-Quality Assurance Project Plan (QAPP) (HGL, 2022a). However, field QA/QC samples were not collected in association with ILS and grab stormwater sediment samples due to insufficient mass being available to submit field duplicates. As the entire mass of material was collected at each location, there is no effect of field variability. The HVS sampling system is not configured to collect field duplicates and the inclusion of field duplicates in the UFP-QAPP was in error.

2.4 STORMWATER AND STORMWATER SOLIDS CHEMISTRY TESTING

The analytes include the Portland Harbor focused-COCs and COCs specified in Tables 17 and 21 of the ROD (EPA, 2017) and subsequent errata (EPA, 2020). Details of the analytical chemistry

work are described in the following Uniform Federal Policy (UFP)-Quality Assurance Project Plan (QAPP) worksheets (HGL, 2022a):

- Analytes, analytical methods, and laboratories (Worksheet #15 and Worksheets #19 and #30);
- Sample containers, preservation, and hold times (Worksheets #19 and #30); and
- Detection and reporting limits (Worksheet #15).

HVS stormwater samples were analyzed for the Table 17 COCs with CULs for surface water[7], excluding focused COCs. A total of 15 HVS stormwater samples were collected and analyzed, and 15 sediment samples were analyzed from the centrifuged stormwater solids. The pre-filtered (Front Half) and post-filtered (Back Half) solids samples of the HVS systems were analyzed for Table 21 focused COCs. A total of 15 Front Half and Back Half solids samples were collected and analyzed. Attachment A.2 summarizes HVS samples and sample identifications with analyses performed. The analytical laboratories and analyses are as follows:

- ALS – ethylbenzene, polycyclic aromatic hydrocarbons (PAHs), bis(2-ethylhexyl)phthalate (BEHP), total petroleum hydrocarbons as diesel range and residual range organics, Table 17 metals, tributyltin (TBT), TOC, and TSS; and
- SGS – PCBs congeners, PCDD/PCDF, and OCPs.

The non-city outfall grab samples were analyzed for the Table 17 COCs with CULs for surface water. A total of 17 non-city outfall grab stormwater samples were collected and analyzed. Attachment A.2 summarizes non-city outfall grab stormwater samples and sample identifications with analyses performed. The analytical laboratories and analyses are as follows:

- ALS – ethylbenzene, PAHs, BEHP, herbicides, OCPs, TBT, and TOC;
- Analytical Resources, LLC (ARI) in Tukwila, WA – PCBs Aroclors and Table 17 metals; and
- Cape Fear Analytical, LLC (CFA) in Wilmington, NC – PCDD/PCDF and PCB congeners.

Analysis of composited ILS samples and the manual grab solid sample was dependent on the total mass of the samples, after composited, with priority given to the focused COCs. ILS samples were collected from 12 city laterals on 4 dates and composited by outfall basin and by season (wet or dry) into 2 samples per outfall basin and analyzed. A single manual-grab solid sample was also collected and analyzed. Attachment A.2 summarizes ILS samples and sample identifications with analyses performed. The analytical laboratories and analyses are as follows:

[7] During the May 5, 2022 HVS stormwater sampling event, bulk stormwater samples were inadvertently analyzed for cadmium, lead, mercury, and dissolved organic carbon which is a deviation from the Table 4-1 of Field Sampling Plan (Appendix A of PDI Work Plan; HGL, 2022), which states that HVS stormwater samples will be analyzed for Table 17 surface water COCs.

- ALS – ethylbenzene, PAHs, BEHP, herbicides, OCPs, TBT, PCB Aroclors, Table 17 metals, and TOC; and
- CFA – PCDD/PCDF and PCB congeners.

2.5 DATA MANAGEMENT

The UFP-QAPP Worksheet #35 describes the data verification process used to create the project database. In short, the laboratory analytical data were reported by analytical laboratories in an Electronic Data Deliverable[8] that is compatible with the Environmental Quality Information System data management program using the valid values presented in Appendix A of the Program Data Management Plan (EPA, 2021b).

Following data validation, results requiring reporting as totals were calculated in accordance with Section 6 and Table A-2 of the Program Data Management Plan (EPA, 2021b) and imported into the project database.

2.6 DATA VALIDATION

The UFP-QAPP Worksheet #36 describes the data validation procedures used by third-party contractors to verify and validate analytical data. The following list of contractors describes the division of labor for laboratory sample delivery groups (SDGs):

- Ecochem, Inc., performed data validation on SDGs from CFA and ARI;
- EDS Environmental Services performed data validation on SDGs from ALS;
- HGL performed data validation on SDGs from SGS; and
- Meridian performed data validation on SDGs from CFA and ALS.

SDGs representing 90 percent of the results received Stage 2A data validation. The remaining SDGs representing 10 percent of the results received Stage 4 validation. Evaluation of performance criteria and formulas used to evaluate data quality are presented in UFP-QAPP Worksheet #12, with the accuracy and sensitivity requirements presented on an analyte- and matrix-specific basis in the UFP-QAPP Worksheet #15 tables (HGL, 2022a).

2.7 DATA QUALITY AND USABILITY

The UFP-QAPP Worksheet #37 Data Usability Assessment provides guidelines for evaluating field investigation and laboratory compliance with the requirements listed in the UFP-QAPP and other project planning documents. Compliance with laboratory testing procedures, performance criteria, data validation, and data management are provided in Sections 3.6 and 3.7. As documented in those sections, samples were collected, analyzed, and managed in compliance with laboratory testing criteria and are acceptable for use in the source control sufficiency assessment.

[8] The reporting limit was set to the method detection limit (or estimated detection limit for PCDDs/PCDFs) in the laboratory Electronic Data Deliverables; however, the analytical data packages (Attachment B.3) also include other laboratory limits such as method reporting limit, limit of detection, limit of quantitation, practical quantitation limit.

2.7.1 Detection and Reporting Limits Compared to Project Action Limits

The UFP-QAPP referred to CULs, remedial action levels, and principal threat waste thresholds collectively as Project Action Limits (PALs) and provided sensitivity limits (Method Detection Limit [MDL] and Practical Quantitation Limit [PQL]) and PALs in Worksheet #15 tables. As described in the UFP-QAPP, the laboratory MDLs are less than the lowest PAL for an analyte because the analytical methods selected to support this project are the most sensitive methods commercially available in standard use. However, the stormwater and ILS data will be used to evaluate recontamination potential and not to delineate the nature and extent of contamination. As a result, PALs are not relevant.

In practice, due to several factors including matrix effects and blank contamination, target MDLs were not always attainable. For delineating the nature and extent of contamination, the important consideration for data usability is the frequency of non-detections (non-detects) above PALs. For non-detect results, the reporting limits are lower than the PALs with minimal exceptions, as follows:

- Herbicides – MCPP in 29 percent of non-city samples
- Dieldrin – 100 percent of HVS media samples
- OCP – non-city samples
    - Total chlordane – 100 percent
    - Total DDD – 91 percent
    - Total DDE – 64 percent]
    - Total DDT – 100 percent
    - Aldrin – 100 percent
- TCDD:
    - HVS media – Front Half (93 percent) and Back Half (100 percent)
    - Non-city samples – 100 percent
- BEHP – 33 percent of city bulk water and 29 percent of non-city samples
- PAH analytes:
    - Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-C,D)pyrene in 33 percent of city bulk water samples and 12 percent of non-city samples
- Pentachlorophenol in 100 percent of non-city samples

This means the nearly all the data reporting limits are lower than PALs and appropriate for delineating the extent of contamination.

The non-city outfall stormwater samples were analyzed for PCB Aroclors via method 8082A and, as such, the MDL exceeded the PAL, which was established using the Table 17 surface water CUL. Analytes were not detected above the reporting limit for 98.7 percent of the PCB Aroclor analyses. The total PCBs in each sample were calculated in accordance with the Program Data Management Plan (EPA, 2021b), which includes criteria for addressing calculation of total

concentrations when some or all of the components of the calculation are non-detects. Although the PCB Aroclor MDL exceeds the PAL, the PAL established by using the CUL is presented for reference purposes only and exceedances of this PAL do not affect the usability of the data for the recontamination potential evaluation.

2.7.2 Qualified and Rejected Data

Stormwater and stormwater solids data were validated in accordance with the QAPP (HGL, 2022) by HGL chemists and subcontracted data validation firms. As a result of validation, data qualifiers were applied to sample results due to sampling and analysis discrepancies. The data qualifiers include the following:

- R: The result is unusable. The result is rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- UJ: The analyte was analyzed for but was not detected. The associated value is approximate and may be inaccurate or imprecise. The associated value is the adjusted method detection limit (MDL) or the reported concentration (results qualified as artifacts due to blank contamination).
- U: The analyte was analyzed for but was not detected above the level of the adjusted MDL or the reported concentration (results qualified as artifacts due to blank contamination).
- J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- (no qualifier): The result is a detection above the reporting limit (RL) and is not affected by any QC discrepancies.

Note that the U and J qualifiers may be applied as a result of a QC issue, but may also be applied to results to denote the quantitation. Non-detected results are reported with a U qualifier, which indicates a non-detection at the MDL. Detected results at or above the adjusted MDL but below the RL are reported with a J qualifier. In both cases, the data have the applicable qualifier applied by the laboratory even in the absence of a QC issue and these qualifiers are retained as reported by the laboratory unless superseded by a more severe qualifier.

Results that are qualified R are unusable; all other results, including results qualified due to QC discrepancies, are considered usable for decision-making.

The final reduced stormwater sample data set includes 5,907 results for target analytes; this data set includes results from the analyses of aqueous matrix samples collected in the carboys and results from the analysis of stormwater constituents sorbed onto PUF cartridges. Of the results in the final stormwater data set, 234 were rejected and qualified R during the data validation process and the stormwater data set used for decision-making is 96.039% complete. The 234 rejected results included the following:

- 85 non-detected pesticides results rejected for extreme exceedance of preparation holding time (greater than a factor of 2) for 6 sample extracts
- 17 non-detected PCDD/PCDF results, 7 non-detected pesticides results, and 125 non-detected PCB congener results rejected due to low labeled standard recoveries and/or

strong matrix interference noted in the laboratory case narrative; all affected results were reported from PUF cartridge fraction of sample SIB-SW-AAM107-BACK-030923

The rejected results in the stormwater sample data set do not represent substantial data gaps and all three data sets are usable for decision-making in accordance with the project data quality objectives and completeness goals. A majority of the rejected results were for a single sample location that showed substantial matrix interference in the extraction and analysis of the PUF cartridge.

The final reduced stormwater sediment data set includes 4,550 results for target analytes. There were no rejected results in the stormwater sediment data set and that data set is 100% complete.

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3.0 STORMWATER INVESTIGATION RESULTS

This section summarizes stormwater and stormwater solids analytical results. Attachment B.1 includes a table with all of the results. Data validation reports and analytical data packages with all of the results for each sample are presented in Attachments B.2 and B.3, respectively. A comparison of the data to CULs, RALs, and PTW Thresholds is provided in tables and figures referenced in the subsections below.[9]

3.1 CITY OUTFALL BASINS

Stormwater samples were collected via HVS systems on May 5, 2022 (spring), October 21, 2022 (summer, first flush), and March 9, 2023 (winter) (Table 2-1; Attachment A.1). The analytical results for bulk water samples and stormwater solids separated from the bulk water samples by centrifuge are summarized in Table 3-1. Wet season composite ILS samples were collected on May 2 through 4, 2022 and June 17 and 18, 2023 and dry season composite ILS samples were collected on August 27 and 28, 2022 and November 11 and 12, 2022 from the city stormwater conveyance systems; the analytical results for the ILS samples are summarized in Table 3-2. One manual grab solid sample was collected on June 17, 2023. The analytical results for the manual grab solid sample are summarized in Table 3-3. Figures 3-1a through 3-1e illustrate the ROD Table 17 and 21 COC detections and exceedances by basin for city stormwater and stormwater solids samples.

The dissolved concentrations of PCBs, PCDD/PCDF, and OCPs were calculated using concentrations from the "Back Half" of the HVS system that was drawn through the PUF cartridge and the sample volumes (Table 3-4). Whole water concentrations were calculated using the particulate and dissolved phase concentrations (Table 3-5) of the focused COCs (PCBs, PCDD/PCDF, and OCPs) and sample volume (Table 3-6). The particulate phase concentrations were calculated using focused COC (PCBs, PCDD/PCDF, and OCPs) concentrations from the "Front Half" of the HVS system sample volume and TSS measured from the bulk water sample (Table 3-6).

Discharges recorded during the three storm-based sampling events at outfall basin M-1 are illustrated in Figures 3-2a-c; based on a comparison of sample location invert elevation and surface water elevations, no inundation by river water was observed during the outfall basin M-1 stormwater sampling events (Attachment A.7). Discharge was observed during dry periods indicating dry-weather flow in part of the M-1 conveyance system.

Discharge was measured during dry periods indicating dry-weather flow in part of the M-2 conveyance system; for example, it was estimated to be 0.42 cfs during a dry period in February 2022 (Figure 3-3). Discharges recorded during the three storm-based sampling events at outfall basin M-2 are illustrated in Figures 3-4a-c; based on a comparison of sample location invert elevations and surface water elevations, no inundation by river water was observed during the outfall basin M-2 stormwater sampling events (Attachment A.7).

[9] Aqueous stormwater analytical result comparisons against ROD Table 17 COCs and stormwater solids (collected or calculated) analytical results comparisons to ROD Tables 17 and 21 COCs are provided for reference only.

Discharges recorded during the three storm-based sampling events at outfall basin M-3 are illustrated in Figures 3-5a-c; based on a comparison of sample location invert elevations and surface water elevations, no inundation by river water was observed during the outfall basin M-3 stormwater sampling events (Attachment A.7).

Discharges recorded during the three storm-based sampling events at outfall basin S-1 are illustrated in Figures 3-6a-c; based on a comparison of sample location invert elevations and surface water elevations, no inundation by river water was observed during the outfall basin S-1 stormwater sampling events (Attachment A.7).

Discharges recorded during the three storm-based sampling events at outfall basin S-2 are illustrated in Figures 3-7a-c; based on a comparison of sample location invert elevations and surface water elevations, no inundation by river water was observed during the outfall basin S-2 stormwater sampling events (Attachment A.7).

Figure 3-8 shows estimated monthly average minimum and maximum discharges rates and volumes based on adjusted flow sensor data (described in Section 2.2.5). The discharge measurements in the conveyance systems were impacted by periods of inundation as follows: M-1 (January, May, June and July 2022 and May 2023); M-2 (December 2021, January, March, May, June, July, and December 2002, and May 2023); M-3 (December 2021, January, February, March, May, June, July and December 2022, and January, May and June 2023); S-1 (January and June 2022 and May 2023), and; S-2 (January and June 2022 and May 2023) (Attachment A.7). The minimum average monthly discharge rate from manhole AAM-104 to the M-1 outfall was 0.16 cfs in May 2023 and the maximum average monthly discharge rate was 3.55 cfs in April 2023. The minimum average monthly discharge rate from manhole AAM-169 to the M-2 outfall was 0.39 cfs in August 2022 and the maximum average monthly discharge rate was 2.10 cfs in May 2023. The minimum average monthly discharge rate from manhole AAQ005 to the M-3 outfall was 0.05 cfs in April 2023 and the maximum average monthly discharge rate was 2.30 cfs in December 2022. The minimum average monthly discharge rate from manhole AAM131 to the S-1 outfall was 0.12 cfs in May 2023 and the maximum average monthly discharge rate was 0.64 cfs in April 2022. The minimum average monthly discharge rate from manhole AAP-957 to the S-2 outfall was 0.21 cfs in August 2022 and the maximum average monthly discharge rate was 1.51 cfs in November 2022.

3.2 NON-CITY OUTFALLS

During the three storm events when HVS system stormwater samples were collected, time-weighted, composite stormwater samples were also collected from smaller non-city outfall locations (WR-198, WR-34, WR-71, WR-186, WR-15, WR-253; Figure 2-1). Table 3-7 summarizes non-city outfall data. Figure 3-9 illustrates the ROD Table 17 and 21 COC detections and exceedances by outfall.

4.0 CONCLUSIONS

Analysis of stormwater and stormwater solids samples was completed in accordance with the PDI Work Plan (HGL, 2022a) and SRASP (HGL, 2021). As documented in Section 3.0, samples were collected, analyzed, managed, and validated in compliance with laboratory testing criteria, and the data are acceptable for use in source control sufficiency assessment and RD development.

Samples were collected from five city outfall basins (M-1, M-2, M-3, S1, S2) as well as six smaller non-city outfalls along the shoreline of the SIB (Figure 2-1). Filtered stormwater samples from city conveyance systems were collected using a HVS system to collect storm-based water and dissolved solids from each outfall basin that met the DEQ-EPA JSCS criteria. Additionally, stormwater solids were collected via ILS samplers in city conveyance system laterals. Flow-weighted, composite non-city outfall conveyance system samples were collected via portable autosamplers.

The concentrations of ROD COCs in stormwater and stormwater solids will be used to evaluate the fate and relative contribution of contaminated stormwater and solids discharged to the SIB Project Area via outfalls. The data presented in this report will be used to develop the input parameters for the stormwater loading in the SEDCAM recontamination model. The recontamination potential evaluation will be used to determine whether upland sources have been adequately investigated and sufficiently controlled, or considered such, that the remedial action can proceed.

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5.0 REFERENCES

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TABLES

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Table 2-1
Stormwater Equipment Installation and Sampling Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

Sample Location			Location Information					
Sample Location	**Manhole/Outfall ID**	**Sample Type**	**Vault Depth[2] (ft)**	**Instruments to Install**	**Inlet Pipe Diameters[2] (inches)**	**Pipe Elevation[3] (ft City)**	**Pipe Elevation[4] (ft MSB)**	**Property**
M-1	AAM104	ILS MSG	25	Flow meter x3 ILS Sampler x12	NW - 36 SW - 27 NE - 54	13.1	10.18	City roadway near 6540 N. Basin Avenue
	AAM107[1]	HVS	26.3	Flow meter x1	60	9.5	6.58	City roadway near 6380 N. Ensign Street
M-2	AAM169	ILS MSG HVS	20.6	Flow meter x3 ILS Sampler x12	NW - 21 NE - 60 SE - 27	10.57	7.65	City roadway near 6010 N. Basin Avenue
M-3	AAQ005	ILS MSG HVS	22.6	Flow meter x1 ILS Samplerx4	48	9.89	6.97	Freightliner/Daimler Trucks North America - 5400 N. Basin Avenue
	AND479	ILS MSG	13	Flow meter x1 ILS Sampler x4	18.5	17.7	14.78	Freightliner/Daimler Trucks North America - N. Emerson Street
S-1	AAM131	ILS MSG HVS	21.7	Flow meter x2 ILS Sampler x8	NW - 27 SE - 18	14.14	11.22	City roadway near 5700 N. Lagoon Avenue
S-2	AAP957	ILS MSG HVS	22.1	Flow meter x2 ILS Sampler x8	NW - 30 SE - 21	13.5	10.58	City roadway near 5050 N. Lagoon Avenue
N/A	WR-198	ISCO MSG	NA	ISCO & Flow meter	18	TBD	TBD	USCG Marine Safety Unit - 6767 N. Basin Avenue
N/A	WR-71	ISCO MSG	4.5	ISCO & Flow meter	10	TBD	TBD	ATC Leasing Co. - 6147 N. Basin Avenue
N/A	WR-186	ISCO MSG	NA	ISCO & Flow meter	15	TBD	TBD	Swan Island Dock Company - 5949 N. Basin Avenue
N/A	WR-15	ISCO MSG	NA	ISCO & Flow meter	7.5	TBD	TBD	North Basin Watumull LLC - 5617 - 5885 N. Basin Avenue
N/A	WR-428 (WR-253)[5]	ISCO MSG	4	ISCO & Flow meter	8	TBD	TBD	Freightliner/Daimler Trucks North America - 5160 N. Lagoon Avenue
N/A	WR-34 (old WR-30)[6]	ISCO MSG	4	ISCO & Flow meter	8	TBD	TBD	Port of Portland - 5420 N. Lagoon Avenue

Table 2-1 (continued)
Stormwater Equipment Installation and Sampling Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

Sample Location			Data Download and Sample Collection							
Sample Location	**Manhole/Outfall ID**	**Sample Type**	**Equipment Install date**	**January (data)**	**February (data)**	**March (data)**	**April (data)**	**May (data and ILS samples)**	**May HVS/ISCO**	**June (data)**
M-1	AAM104	ILS MSG	1/28/2022	INSTALL	-	3/2/2022	-	5/4/2022	-	6/2/2022
	AAM107[1]	HVS	NA	NA	NA	NA	NA	NA	5/5/2022	NA
M-2	AAM169	ILS MSG HVS	01/25/2022 01/26/2022	INSTALL	-	3/2/2022	-	5/3/2022	5/5/2022	6/2/2022
M-3	AAQ005	ILS MSG HVS	2/3/2022	-	INSTALL 2/9/2022	-	-	5/2/2022	5/5/2022	6/3/2022
	AND479	ILS MSG	3/3/2022	-	-	INSTALL	-	5/2/2022	-	-
S-1	AAM131	ILS MSG HVS	1/24/2022	INSTALL	2/9/2022	-	-	5/2/2022	5/5/2022	6/3/2022
S-2	AAP957	ILS MSG HVS	1/25/2022	INSTALL	-	3/2/2022	-	5/3/2022	5/5/2022	6/2/2022
N/A	WR-198	ISCO MSG	4/6/2022 (ISCO only)	-	-	-	INSTALL	-	5/5/2022	-
N/A	WR-71	ISCO MSG	4/4/2022 (ISCO only)	-	-	-	INSTALL	-	5/5/2022	-
N/A	WR-186	ISCO MSG	4/6/2022 (ISCO only)	-	-	-	INSTALL	-	5/5/2022	-
N/A	WR-15	ISCO MSG	4/6/2022 (ISCO only)	-	-	-	INSTALL	-	5/5/2022	-
N/A	WR-428 (WR-253)[5]	ISCO MSG	4/4/2022 (ISCO only)	-	-	-	INSTALL	-	5/5/2022	-
N/A	WR-34 (old WR-30)[6]	ISCO MSG	4/7/2022 6/3/2022 (ISCO only)	-	-	-	INSTALL			

Table 2-1 (continued)
Stormwater Equipment Installation and Sampling Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

Sample Location			Data Download and Sample Collection											
Sample Location	**Manhole/Outfall ID**	**Sample Type**	**July (data)**	**August (data)**	**September (data and ILS samples)**	**October (data)**	**October HVS/ISCO**	**November (data and ILS samples)**	**December (data)**	**January 2023 (data)**	**February (data)**	**March HVS/ISCO**	**April (data)**	**June Equipment Removal (data and ILS samples)**
M-1	AAM104	ILS MSG	7/2/2022	7/30/2022	8/27/2022	10/10/2022	-	11/11/2022	12/10/2022	1/7/2022	2/4/2023	-	4/8/2023	6/18/2023
	AAM107[1]	HVS	NA	NA	NA	NA	10/21/2022	NA	NA	NA	NA	3/9/2023	NA	NA
M-2	AAM169	ILS MSG HVS	7/2/2022	7/30/2022	8/27/2022	10/10/2022	10/21/2022	11/11/2022	12/10/2022	1/7/2022	2/4/2023	3/9/2023	4/8/2023	6/17/2023
M-3	AAQ005	ILS MSG HVS	7/3/2022	7/31/2022	8/28/2022	10/11/2022	10/21/2022	11/12/2022	12/11/2022	1/8/2022	2/5/2023	3/9/2023	4/9/2023	6/17/2023
	AND479	ILS MSG	-	7/31/2022	8/28/2022	-	-	11/12/2022	-	-	-	-	-	6/17/2023
S-1	AAM131	ILS MSG HVS	7/3/2022	7/31/2022	8/28/2022	10/11/2022	10/21/2022	11/12/2022	12/11/2022	1/8/2022	2/5/2023	3/9/2023	4/9/2023	6/18/2023
S-2	AAP957	ILS MSG HVS	7/2/2022	7/30/2022	8/27/2022	10/10/2022	10/21/2022	11/11/2022	12/10/2022	1/7/2022	2/4/2023	3/9/2023	4/8/2023	6/17/2023
N/A	WR-198	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023
N/A	WR-71	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023
N/A	WR-186	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023
N/A	WR-15	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023
N/A	WR-428 (WR-253)[5]	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023
N/A	WR-34 (old WR-30)[6]	ISCO MSG	-	-	-	-	10/21/2022	-	-	-	-	3/9/2023	-	5/22/2023

Table 2-1 (continued)
Stormwater Equipment Installation and Sampling Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

Notes:

[1]AAM107 used only for HVS sample collection, situated down-pipe of AAM104, no permanent equipment install.

[2] City of Portland Bureau of Environmental Services. Accessed from PortlandMaps.com.

[3] City of Portland datum

[4] Correction from City of Portland Datum to Morrison Street Bridge gage datum.

[5] Outfall WR-253 was misidentified as WR-428 in field and laboratory documentation.

[6] Due to no flow, proposed location WR-30 was moved to designated alternate WR-34 catch basin.

ft = feet
BES = Bureau of Environmental Services
City = City of Portland
HVS = high volume sample
ID = identification
ILS = in-line sediment (Confined Space Entry)
MSB = Morrison Street Bridge gage
MSG = manual solids grab (Confined Space Entry)
N/A = not applicable
NAVD88 = North American Vertical Datum of 1988
SIB = Swan Island Basin
VIS = visual outfall inspection
USCG = U.S. Coast Guard

Table 2-2
Stormwater Sample Location Field Reconnaissance Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

Basin ID	Sample Location			Location Info					River Stage Influence	
	Vault ID	Outfall ID	Sample Type	Vault Depth[1] (ft)	Pipe Diameter[1] (inches)	Pipe Elevation (ft NAVD88)	Pipe Elevation[2] (ft City)	Pipe Elevation Correction[3] (ft MSB)	Estimated Maximum Suitable River Stage[4] (ft MSB)	Property
M-1	AAM104	-	ILS MSG	25	inlets 36, 27 & 54 outlet 60	14.7	12.6	9.68	10	City roadway near 6540 N. Basin Avenue
	AAM107	-	HVS	26.3	60	11.6	9.5	6.58	7	City roadway near 6380 N. Ensign Street
M-2	AAM169	-	ILS MSG HVS	20.6	inlets 27, 60 & 27 outlet 60	13.63	11.53	8.61	9	City roadway near 6010 N. Basin Avenue
M-3	AAQ005	-	ILS MSG HVS	22.6	inlet 48 outlet 48	11.99	9.89	6.97	7	Freightliner/Daimler Trucks North America - 5400 N. Basin Avenue
	AND479	-	ILS MSG	29.5	inlets 18 outlet 18	19.8	17.7	14.78	16	Freightliner/Daimler Trucks North America - N. Emerson Street
S-1	AAM131	-	ILS MSG HVS	21.7	inlets 27, 18 outlet 36	15.8	13.7	10.78	12	City roadway near 5700 N. Lagoon Avenue
S-2	AAP957	-	ILS MSG HVS	22.1	inlets 30, 21 outlet 36	15.6	13.5	10.58	12	City roadway near 5050 N. Lagoon Avenue
Direct Discharges to SIB	-	WR-198	VIS MSG	Outfall ISCO, 18" HDPE					N/A	USCG Marine Safety Unit - 6767 N. Basin Avenue
	-	WR-15	VIS MSG	Outfall ISCO, 7.5" HDPE					N/A	North Basin Watumull LLC - 5617 - 5885 N. Basin Avenue
	-	WR-186	VIS MSG	Outfall ISCO, 15" CSP					N/A	Swan Island Dock Company - 5949 N. Basin Avenue
	-	WR-253 (WR-428)	VIS MSG	Stormfilter ISCO, 12" steel outflow					N/A	Freightliner/Daimler Trucks North America - 5160 N. Lagoon Avenue
	-	WR-71	VIS MSG	Catch Basin ISCO, 10" steel outflow					N/A	ATC Leasing Co. - 6147 N. Basin Avenue
		WR-34	VIS MSG	Catch Basin ISCO, 8" CSP outflow					N/A	Port of Portland - 5420 N. Lagoon Avenue

Notes:

[1] City of Portland Bureau of Environmental Services. Accessed from PortlandMaps.com.

[2] City of Portland datum

[3] Correction from City of Portland Datum to Morrison Street Bridge gage datum

[4] Maximum river stage elevation to allow for long-term flow monitoring and stormwater solids sampling to avoid inundation during mean high-water river levels.

ft = feet
BES = Bureau of Environmental Services
City = City of Portland
CSP = corrugated steel pipe
HDPE = high-density polyethylene
HVS = high volume sample
ID = identification
ILS = in-line sediment (Confined Space Entry)
MSB = Morrison Street Bridge gage
MSG = manual solids grab (Confined Space Entry)
N/A = not applicable
NAVD88 = North American Vertical Datum of 1988
SIB = Swan Island Basin
VIS = visual outfall inspection
USCG = U.S. Coast Guard

Table 2-3
In-Line Sediment Samples Estimated Volumes and Masses
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Wet Season ILS Sample Volumes				
		Deployment Periods	**January - May 2022**	**November 2022 - June 2023**
		Sample Collection Date	**5/2/2022 - 5/4/2022**	**6/17/2023 - 6/18/2023**
Basin ID	**Composite Sample ID**	**Composite Sample Weight (g)***	**Observed Solids (mm)****	**Observed Solids (mm)****
M-1	SIB-SED-AAM104-NW-05042022	17.5	3	4****
	SIB-SED-AAM104-NE-05042022	40.4	6	3****
	SIB-SED-AAM104-SE-05042022	36.2	4	2****
M-2	SIB-SED-AAM169-SE-05032022	43.4	5****	3****
	SIB-SED-AAM169-E-05032022	70.2	12****	3****
	SIB-SED-AAM169-NW-05032022	22.4	3****	5****
M-3	SIB-SED-AAQ005-05022022	18.9	3****	3****
	SIB-SED-AND479-05022022	14.5	1	2
S-1	SIB-SED-AAM131-NW-05022022	29.3	3	1****
	SIB-SED-AAM131-SE-05022022	20.9	4	1****
S-2	SIB-SED-AAP957-NW-05032022	47	4	4****
	SIB-SED-AAP957-SE-05032022	31.9	3***	2****

Dry Season ILS Sample Volumes			
		Deployment Period	**May - August 2022**
		Sample Collection Date	**8/27/2022 - 8/28/2022**
Basin ID	**Composite Sample ID**	**Composite Sample Weight (g)***	**Observed Solids (mm)****
M-1	SIB-SED-AAM104-NW-08282022	15.7	4****
	SIB-SED-AAM104-SE-08282022	46.8	2****
	SIB-SED-AAM104-NE-08282022	52.8	3****
M-2	SIB-SED-AAM169-SE-08282022	24	4****
	SIB-SED-AAM169-E-08282022	53.7	5****
	SIB-SED-AAM169-NW-08282022	79	10****
M-3	SIB-SED-AAQ005-08282022	37.8	4****
	SIB-SED-AND479-08282022	53.1	1
S-1	SIB-SED-AAM131-NW-08282022	6	1****
	SIB-SED-AAM131-SE-08282022	41.7	2****
S-2	SIB-SED-AAP957-NW-08282022	41	1****
	SIB-SED-AAP957-SE-08282022	28	3****

Table 2-3 (continued)
In-Line Sediment Samples Estimated Volumes and Masses
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Dry Season First Flush ILS Sample Volumes			
		Deployment Period	August - November 2022
		Sample Collection Date	11/12/2022 - 11/13/2022
Basin ID	Composite Sample ID	Composite Sample Weight (g)*	Observed Solids (mm)**
M-1	SIB-SED-AAM104-NW-11172022	5.9	1
	SIB-SED-AAM104-SE-11172022	55.1	3
	SIB-SED-AAM104-NE-11172022	26.2	2
M-2	SIB-SED-AAM169-SE-11172022	16.7	2
	SIB-SED-AAM169-E-11172022	51.1	3
	SIB-SED-AAM169-NW-11172022	97.8	5
M-3	SIB-SED-AAQ005-11172022	34.7	3
	SIB-SED-AND479-11172022	46.7	3
S-1	SIB-SED-AAM131-NW-11172022	4.3	1
	SIB-SED-AAM131-SE-11172022	8.7	1
S-2	SIB-SED-AAP957-NW-11172022	16.9	4
	SIB-SED-AAP957-SE-11172022	14.5	3

Notes:
*Dry weight mass from each outfall lateral composition as reported by the testing laboratory
**Visual depth estimation of solids within the 1 liter sample containers during field sample collection activities
***Only three 1 liter containers retrieved, four 1 liter sample containers replaced
****In-line sediment samples may have been impacted by suspended solids from river inundation (Attachment A.7)

g = grams
mm = milimeter
ID = identification
ILS = in-line sediment

Table 3-1
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAM107	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	16	µg/L	µg/L	14 U	NA	15 U
SIB-SW-AAM107	Mercury	MERCURY	SW7470A	NA	NA	mg/L	0.000013 U	NA	NA
SIB-SW-AAM107	Metals	ARSENIC	SW6020A	0.018	µg/L	µg/L	NA	0.8	0.57
SIB-SW-AAM107	Metals	ARSENIC	SW6020B	0.018	µg/L	µg/L	0.513	NA	NA
SIB-SW-AAM107	Metals	CADMIUM	SW6020B	NA	NA	µg/L	0.03 U	NA	NA
SIB-SW-AAM107	Metals	CHROMIUM, TOTAL	SW6020A	100	µg/L	µg/L	NA	0.54	0.34
SIB-SW-AAM107	Metals	CHROMIUM, TOTAL	SW6020B	100	µg/L	µg/L	0.566	NA	NA
SIB-SW-AAM107	Metals	COPPER	SW6020A	2.74	µg/L	µg/L	NA	10.8	3.54
SIB-SW-AAM107	Metals	COPPER	SW6020B	2.74	µg/L	µg/L	3.47	NA	NA
SIB-SW-AAM107	Metals	LEAD	SW6020B	NA	NA	µg/L	0.099 J	NA	NA
SIB-SW-AAM107	Metals	ZINC	SW6020A	36.5	µg/L	µg/L	NA	106	54.8
SIB-SW-AAM107	Metals	ZINC	SW6020B	36.5	µg/L	µg/L	23.5	NA	NA
SIB-SW-AAM107	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	NA	NA	µg/L	0.0004 U	0.0015 U	0.0066 J
SIB-SW-AAM107	PAHs	ACENAPHTHENE	SW8270D-SIM	NA	NA	µg/L	0.0063	0.0014 U	0.012 J
SIB-SW-AAM107	PAHs	ACENAPHTHYLENE	SW8270D-SIM	NA	NA	µg/L	0.00037 U	0.0013 U	0.0039 U
SIB-SW-AAM107	PAHs	ANTHRACENE	SW8270D-SIM	NA	NA	µg/L	0.00029 UJ	0.00093 U	0.0041 U
SIB-SW-AAM107	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00034 UJ	0.0011 U	0.0034 J
SIB-SW-AAM107	PAHs	BENZO(A)PYRENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00041 UJ	0.0013 U	0.0049 U
SIB-SW-AAM107	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00025 UJ	0.00094 U	0.0047 U
SIB-SW-AAM107	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.00097 U	0.0033 U
SIB-SW-AAM107	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00041 UJ	0.0011 U	0.0034 U
SIB-SW-AAM107	PAHs	CHRYSENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00065 UJ	0.00086 U	0.0039 U
SIB-SW-AAM107	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0029 U
SIB-SW-AAM107	PAHs	FLUORANTHENE	SW8270D-SIM	NA	NA	µg/L	0.00046 J	0.00093 U	0.012 U
SIB-SW-AAM107	PAHs	FLUORENE	SW8270D-SIM	NA	NA	µg/L	0.00042	0.0013 U	0.0043 U
SIB-SW-AAM107	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00044 U	0.0011 U	0.003 U
SIB-SW-AAM107	PAHs	NAPHTHALENE	SW8270D-SIM	12	µg/L	µg/L	0.0082 J	0.0016 U	0.0074 J
SIB-SW-AAM107	PAHs	PHENANTHRENE	SW8270D-SIM	NA	NA	µg/L	0.0083	0.016 J	0.016 J
SIB-SW-AAM107	PAHs	PYRENE	SW8270D-SIM	NA	NA	µg/L	0.0036	0.0012 U	0.011 J
SIB-SW-AAM107	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0046 J
SIB-SW-AAM107	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	NA	NA	µg/L	0.0348	0.026	0.082
SIB-SW-AAM107	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	0.2	µg/L	µg/L	0.14 U	0.13 U	0.27 U
SIB-SW-AAM107	sVOC	PENTACHLOROPHENOL	SW8270D	0.03	µg/L	µg/L	0.36 U	NA	3.5 U
SIB-SW-AAM107	TOC	DISSOLVED ORGANIC CARBON	A5310C	NA	NA	mg/L	424	NA	NA
SIB-SW-AAM107	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	mg/L	42.4	18.1	6.6
SIB-SW-AAM107	Tributyltin	Tributyltin Hydride	ALS SOP	NA	NA	µg/L	0.012 U	0.013 U	0.013 U
SIB-SW-AAM107	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	NA	NA	mg/L	5	51 U	33 U
SIB-SW-AAM107	VOCs	ETHYLBENZENE	SW8260C	7.3	µg/L	µg/L	1.3 U	0.05 U	0.05 U
SIB-SW-AAM107	Mercury	MERCURY	SW7471B	0.085	mg/kg	mg/kg	0.002 U	0.008 J	0.02 J
SIB-SW-AAM107	Metals	ARSENIC	SW6020A	3	mg/kg	mg/kg	1.61	4.91	18.2
SIB-SW-AAM107	Metals	CADMIUM	SW6020A	0.51	mg/kg	mg/kg	0.084	0.145	0.96
SIB-SW-AAM107	Metals	COPPER	SW6020A	359	mg/kg	mg/kg	14.3	12.3	127
SIB-SW-AAM107	Metals	LEAD	SW6020A	196	mg/kg	mg/kg	4.07	2.95	61.8

Table 3-1 (continued)
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAM107	Metals	ZINC	SW6020A	459	mg/kg	mg/kg	83.8	130	1430
SIB-SW-AAM107	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	%	19.3	NA	NA
SIB-SW-AAM107	TSS	SOLIDS, PERCENT	A2540G	NA	NA	%	99.3	NA	NA
SIB-SW-AAM107	TSS	SOLIDS, PERCENT	E160.3M	NA	NA	%	NA	NA	13.9
SIB-SW-AAM169	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	16	µg/L	µg/L	15 U	NA	15 U
SIB-SW-AAM169	Mercury	MERCURY	SW7470A	NA	NA	mg/L	0.000013 U	NA	NA
SIB-SW-AAM169	Metals	ARSENIC	SW6020A	0.018	µg/L	µg/L	NA	1.14	0.23 J
SIB-SW-AAM169	Metals	ARSENIC	SW6020B	0.018	µg/L	µg/L	0.402	NA	NA
SIB-SW-AAM169	Metals	CADMIUM	SW6020B	NA	NA	µg/L	0.03 U	NA	NA
SIB-SW-AAM169	Metals	CHROMIUM, TOTAL	SW6020A	100	µg/L	µg/L	NA	1.04	0.19 J
SIB-SW-AAM169	Metals	CHROMIUM, TOTAL	SW6020B	100	µg/L	µg/L	0.502	NA	NA
SIB-SW-AAM169	Metals	COPPER	SW6020A	2.74	µg/L	µg/L	NA	13	1.23
SIB-SW-AAM169	Metals	COPPER	SW6020B	2.74	µg/L	µg/L	3.91	NA	NA
SIB-SW-AAM169	Metals	LEAD	SW6020B	NA	NA	µg/L	0.168	NA	NA
SIB-SW-AAM169	Metals	ZINC	SW6020A	36.5	µg/L	µg/L	NA	87.3	36.8
SIB-SW-AAM169	Metals	ZINC	SW6020B	36.5	µg/L	µg/L	35.6	NA	NA
SIB-SW-AAM169	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	NA	NA	µg/L	0.0004 U	0.0015 U	0.0049 J
SIB-SW-AAM169	PAHs	ACENAPHTHENE	SW8270D-SIM	NA	NA	µg/L	0.0034	0.027	0.011 J
SIB-SW-AAM169	PAHs	ACENAPHTHYLENE	SW8270D-SIM	NA	NA	µg/L	0.00037 U	0.16	0.0038 U
SIB-SW-AAM169	PAHs	ANTHRACENE	SW8270D-SIM	NA	NA	µg/L	0.00029 UJ	0.00095 U	0.004 U
SIB-SW-AAM169	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00034 UJ	0.0012 U	0.0029 U
SIB-SW-AAM169	PAHs	BENZO(A)PYRENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00041 UJ	0.0013 U	0.0048 U
SIB-SW-AAM169	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00025 UJ	0.00096 U	0.0046 U
SIB-SW-AAM169	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.00099 U	0.0032 U
SIB-SW-AAM169	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00041 UJ	0.0011 U	0.0034 U
SIB-SW-AAM169	PAHs	CHRYSENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00065 UJ	0.00088 U	0.0038 U
SIB-SW-AAM169	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0028 U
SIB-SW-AAM169	PAHs	FLUORANTHENE	SW8270D-SIM	NA	NA	µg/L	0.00046 J	0.00095 U	0.012 U
SIB-SW-AAM169	PAHs	FLUORENE	SW8270D-SIM	NA	NA	µg/L	0.00042 J	0.022 J	0.0042 U
SIB-SW-AAM169	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00044 U	0.0011 U	0.0029 U
SIB-SW-AAM169	PAHs	NAPHTHALENE	SW8270D-SIM	12	µg/L	µg/L	0.0081	0.0017 U	0.0048 J
SIB-SW-AAM169	PAHs	PHENANTHRENE	SW8270D-SIM	NA	NA	µg/L	0.0045	0.031	0.018 J
SIB-SW-AAM169	PAHs	PYRENE	SW8270D-SIM	NA	NA	µg/L	0.004	0.0012 U	0.01 J
SIB-SW-AAM169	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0048 U
SIB-SW-AAM169	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	NA	NA	µg/L	0.0267	0.25	0.075
SIB-SW-AAM169	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	0.2	µg/L	µg/L	0.13 U	0.13 U	0.27 U
SIB-SW-AAM169	sVOC	PENTACHLOROPHENOL	SW8270D	0.03	µg/L	µg/L	0.34 U	NA	3.5 U
SIB-SW-AAM169	TOC	DISSOLVED ORGANIC CARBON	A5310C	NA	NA	mg/L	26.7	NA	NA
SIB-SW-AAM169	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	mg/L	27.6	34.9	5.3
SIB-SW-AAM169	Tributyltin	Tributyltin Hydride	ALS SOP	NA	NA	µg/L	0.012 U	0.013 U	0.013 U
SIB-SW-AAM169	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	NA	NA	mg/L	12.5	154	58.5 U
SIB-SW-AAM169	VOCs	ETHYLBENZENE	SW8260C	7.3	µg/L	µg/L	1 U	0.05 U	0.05 U
SIB-SW-AAM169	Mercury	MERCURY	SW7471B	0.085	mg/kg	mg/kg	0.002 U	0.009 J	0.03 J

Table 3-1 (continued)
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAM169	Metals	ARSENIC	SW6020A	3	mg/kg	mg/kg	1.46	7.99	49.9
SIB-SW-AAM169	Metals	CADMIUM	SW6020A	0.51	mg/kg	mg/kg	0.105	0.211	1.24
SIB-SW-AAM169	Metals	COPPER	SW6020A	359	mg/kg	mg/kg	17.4	21	156
SIB-SW-AAM169	Metals	LEAD	SW6020A	196	mg/kg	mg/kg	4.12	3.84	53.7
SIB-SW-AAM169	Metals	ZINC	SW6020A	459	mg/kg	mg/kg	96.9	227	1610
SIB-SW-AAM169	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	%	18.8	NA	NA
SIB-SW-AAM169	TSS	SOLIDS, PERCENT	A2540G	NA	NA	%	99.3	NA	NA
SIB-SW-AAM169	TSS	SOLIDS, PERCENT	E160.3M	NA	NA	%	NA	NA	14.8
SIB-SW-AAQ005	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	16	µg/L	µg/L	15 U	NA	15 U
SIB-SW-AAQ005	Mercury	MERCURY	SW7470A	NA	NA	mg/L	0.000013 U	NA	NA
SIB-SW-AAQ005	Metals	ARSENIC	SW6020A	0.018	µg/L	µg/L	NA	0.66	0.43 J
SIB-SW-AAQ005	Metals	ARSENIC	SW6020B	0.018	µg/L	µg/L	0.16 J	NA	NA
SIB-SW-AAQ005	Metals	CADMIUM	SW6020B	NA	NA	µg/L	0.063 J	NA	NA
SIB-SW-AAQ005	Metals	CHROMIUM, TOTAL	SW6020A	100	µg/L	µg/L	NA	1.6	0.35
SIB-SW-AAQ005	Metals	CHROMIUM, TOTAL	SW6020B	100	µg/L	µg/L	0.617	NA	NA
SIB-SW-AAQ005	Metals	COPPER	SW6020A	2.74	µg/L	µg/L	NA	34.5	6.78
SIB-SW-AAQ005	Metals	COPPER	SW6020B	2.74	µg/L	µg/L	6.91	NA	NA
SIB-SW-AAQ005	Metals	LEAD	SW6020B	NA	NA	µg/L	0.147	NA	NA
SIB-SW-AAQ005	Metals	ZINC	SW6020A	36.5	µg/L	µg/L	NA	219	77.5
SIB-SW-AAQ005	Metals	ZINC	SW6020B	36.5	µg/L	µg/L	64.6	NA	NA
SIB-SW-AAQ005	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	NA	NA	µg/L	0.0004 U	0.0015 U	0.0095 J
SIB-SW-AAQ005	PAHs	ACENAPHTHENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.043	0.0066 J
SIB-SW-AAQ005	PAHs	ACENAPHTHYLENE	SW8270D-SIM	NA	NA	µg/L	0.00037 U	0.0013 U	0.0039 U
SIB-SW-AAQ005	PAHs	ANTHRACENE	SW8270D-SIM	NA	NA	µg/L	0.00029 UJ	0.00093 U	0.0041 U
SIB-SW-AAQ005	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00034 UJ	0.0011 U	0.0045 J
SIB-SW-AAQ005	PAHs	BENZO(A)PYRENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00041 UJ	0.0013 U	0.0049 U
SIB-SW-AAQ005	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00025 UJ	0.00094 U	0.0047 U
SIB-SW-AAQ005	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.00097 U	0.0033 U
SIB-SW-AAQ005	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00041 UJ	0.0011 U	0.0034 U
SIB-SW-AAQ005	PAHs	CHRYSENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00065 UJ	0.00086 U	0.0039 U
SIB-SW-AAQ005	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0029 U
SIB-SW-AAQ005	PAHs	FLUORANTHENE	SW8270D-SIM	NA	NA	µg/L	0.00046	0.00093 U	0.014 J
SIB-SW-AAQ005	PAHs	FLUORENE	SW8270D-SIM	NA	NA	µg/L	0.00042	0.042	0.0062 J
SIB-SW-AAQ005	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00044 U	0.0011 U	0.003 U
SIB-SW-AAQ005	PAHs	NAPHTHALENE	SW8270D-SIM	12	µg/L	µg/L	0.014	0.0016 U	0.012 J
SIB-SW-AAQ005	PAHs	PHENANTHRENE	SW8270D-SIM	NA	NA	µg/L	0.0072	0.056	0.03
SIB-SW-AAQ005	PAHs	PYRENE	SW8270D-SIM	NA	NA	µg/L	0.0055	0.0012 U	0.017 J
SIB-SW-AAQ005	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0048 J
SIB-SW-AAQ005	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	NA	NA	µg/L	0.0382	0.15	0.12
SIB-SW-AAQ005	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	0.2	µg/L	µg/L	0.14 U	0.13 U	0.27 U
SIB-SW-AAQ005	sVOC	PENTACHLOROPHENOL	SW8270D	0.03	µg/L	µg/L	0.35 U	NA	3.5 U
SIB-SW-AAQ005	TOC	DISSOLVED ORGANIC CARBON	A5310C	NA	NA	mg/L	360	NA	NA
SIB-SW-AAQ005	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	mg/L	47	39	7

Table 3-1 (continued)
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAQ005	Tributyltin	Tributyltin Hydride	ALS SOP	NA	NA	µg/L	0.012 U	0.013 U	0.013 U
SIB-SW-AAQ005	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	NA	NA	mg/L	13	41	19.5 U
SIB-SW-AAQ005	VOCs	ETHYLBENZENE	SW8260C	7.3	µg/L	µg/L	1.3 U	0.05 U	0.05 U
SIB-SW-AAQ005	Mercury	MERCURY	SW7471B	0.085	mg/kg	mg/kg	0.23	0.018 J	0.02 J
SIB-SW-AAQ005	Metals	ARSENIC	SW6020A	3	mg/kg	mg/kg	14.1	2.41	12.3
SIB-SW-AAQ005	Metals	CADMIUM	SW6020A	0.51	mg/kg	mg/kg	3.1	0.273	1.64
SIB-SW-AAQ005	Metals	COPPER	SW6020A	359	mg/kg	mg/kg	300	42.3	218
SIB-SW-AAQ005	Metals	LEAD	SW6020A	196	mg/kg	mg/kg	71.7	10.6	73.9
SIB-SW-AAQ005	Metals	ZINC	SW6020A	459	mg/kg	mg/kg	1,560	175	1,560
SIB-SW-AAQ005	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	%	18.7	NA	NA
SIB-SW-AAQ005	TSS	SOLIDS, PERCENT	A2540G	NA	NA	%	9	NA	NA
SIB-SW-AAQ005	TSS	SOLIDS, PERCENT	E160.3M	NA	NA	%	NA	NA	12.9
SIB-SW-AAM131	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	16	µg/L	µg/L	15 U	NA	15 U
SIB-SW-AAM131	Mercury	MERCURY	SW7470A	NA	NA	mg/L	0.000013 U	NA	NA
SIB-SW-AAM131	Metals	ARSENIC	SW6020A	0.018	µg/L	µg/L	NA	0.27 J	0.1 J
SIB-SW-AAM131	Metals	ARSENIC	SW6020B	0.018	µg/L	µg/L	0.097 J	NA	NA
SIB-SW-AAM131	Metals	CADMIUM	SW6020B	NA	NA	µg/L	0.05 J	NA	NA
SIB-SW-AAM131	Metals	CHROMIUM, TOTAL	SW6020A	100	µg/L	µg/L	NA	1.2	0.43
SIB-SW-AAM131	Metals	CHROMIUM, TOTAL	SW6020B	100	µg/L	µg/L	0.538	NA	NA
SIB-SW-AAM131	Metals	COPPER	SW6020A	2.74	µg/L	µg/L	NA	30.4	9.08
SIB-SW-AAM131	Metals	COPPER	SW6020B	2.74	µg/L	µg/L	12	NA	NA
SIB-SW-AAM131	Metals	LEAD	SW6020B	NA	NA	µg/L	0.149	NA	NA
SIB-SW-AAM131	Metals	ZINC	SW6020A	36.5	µg/L	µg/L	NA	185	98.2
SIB-SW-AAM131	Metals	ZINC	SW6020B	36.5	µg/L	µg/L	106	NA	NA
SIB-SW-AAM131	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	NA	NA	µg/L	0.0004 U	0.0015 U	0.0041 J
SIB-SW-AAM131	PAHs	ACENAPHTHENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.013 J	0.0051 U
SIB-SW-AAM131	PAHs	ACENAPHTHYLENE	SW8270D-SIM	NA	NA	µg/L	0.00037 U	0.0013 U	0.0043 J
SIB-SW-AAM131	PAHs	ANTHRACENE	SW8270D-SIM	NA	NA	µg/L	0.00029 UJ	0.00095 U	0.0042 U
SIB-SW-AAM131	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00034 UJ	0.0012 U	0.0043 J
SIB-SW-AAM131	PAHs	BENZO(A)PYRENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00041 UJ	0.0013 U	0.005 U
SIB-SW-AAM131	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00025 UJ	0.00096 U	0.0048 U
SIB-SW-AAM131	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	NA	NA	µg/L	0.00036 U	0.0065 J	0.0034 U
SIB-SW-AAM131	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00041 UJ	0.0011 U	0.0035 U
SIB-SW-AAM131	PAHs	CHRYSENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00065 UJ	0.00088 U	0.004 U
SIB-SW-AAM131	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0029 U
SIB-SW-AAM131	PAHs	FLUORANTHENE	SW8270D-SIM	NA	NA	µg/L	0.00046 J	0.00095 U	0.012 U
SIB-SW-AAM131	PAHs	FLUORENE	SW8270D-SIM	NA	NA	µg/L	0.00042 J	0.013 J	0.0044 U
SIB-SW-AAM131	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00044 U	0.0011 U	0.003 U
SIB-SW-AAM131	PAHs	NAPHTHALENE	SW8270D-SIM	12	µg/L	µg/L	0.0077	0.016 J	0.0063 J
SIB-SW-AAM131	PAHs	PHENANTHRENE	SW8270D-SIM	NA	NA	µg/L	0.0042 J	0.017 J	0.013 J
SIB-SW-AAM131	PAHs	PYRENE	SW8270D-SIM	NA	NA	µg/L	0.0021 J	0.0012 U	0.0088 J
SIB-SW-AAM131	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0048 J
SIB-SW-AAM131	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	NA	NA	µg/L	0.0206	0.072	0.067

Table 3-1 (continued)
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAM131	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	0.2	µg/L	µg/L	0.13 U	0.14 U	0.27 U
SIB-SW-AAM131	sVOC	PENTACHLOROPHENOL	SW8270D	0.03	µg/L	µg/L	0.34 U	NA	3.5 U
SIB-SW-AAM131	TOC	DISSOLVED ORGANIC CARBON	A5310C	NA	NA	mg/L	1.6	NA	NA
SIB-SW-AAM131	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	mg/L	2.1	7.3	2.3
SIB-SW-AAM131	Tributyltin	Tributyltin Hydride	ALS SOP	NA	NA	µg/L	0.012 U	0.013 U	0.013 U
SIB-SW-AAM131	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	NA	NA	mg/L	5 U	6.5 U	5 U
SIB-SW-AAM131	VOCs	ETHYLBENZENE	SW8260C	7.3	µg/L	µg/L	0.05 U	0.05 U	0.05 U
SIB-SW-AAM131	Mercury	MERCURY	SW7471B	0.085	mg/kg	mg/kg	NA	NA	0.2 J
SIB-SW-AAM131	Metals	ARSENIC	SW6020A	3	mg/kg	mg/kg	11 J	0.91	13
SIB-SW-AAM131	Metals	CADMIUM	SW6020A	0.51	mg/kg	mg/kg	1.3 J	0.186	3.71
SIB-SW-AAM131	Metals	COPPER	SW6020A	359	mg/kg	mg/kg	1660	74.6	1030
SIB-SW-AAM131	Metals	LEAD	SW6020A	196	mg/kg	mg/kg	202	16	253
SIB-SW-AAM131	Metals	ZINC	SW6020A	459	mg/kg	mg/kg	3,200	142	2,710
SIB-SW-AAM131	TSS	SOLIDS, PERCENT	A2540G	NA	NA	%	9.8	NA	NA
SIB-SW-AAM131	TSS	SOLIDS, PERCENT	E160.3M	NA	NA	%	NA	NA	4.27
SIB-SW-AAP957	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	16	µg/L	µg/L	15 U	NA	15 U
SIB-SW-AAP957	Mercury	MERCURY	SW7470A	NA	NA	mg/L	0.000013 U	NA	NA
SIB-SW-AAP957	Metals	ARSENIC	SW6020A	0.018	µg/L	µg/L	NA	1.02	0.23 J
SIB-SW-AAP957	Metals	ARSENIC	SW6020B	0.018	µg/L	µg/L	0.178 J	NA	NA
SIB-SW-AAP957	Metals	CADMIUM	SW6020B	NA	NA	µg/L	0.045 J	NA	NA
SIB-SW-AAP957	Metals	CHROMIUM, TOTAL	SW6020A	100	µg/L	µg/L	NA	1.58	0.43
SIB-SW-AAP957	Metals	CHROMIUM, TOTAL	SW6020B	100	µg/L	µg/L	1.23	NA	NA
SIB-SW-AAP957	Metals	COPPER	SW6020A	2.74	µg/L	µg/L	NA	44.2	4.14
SIB-SW-AAP957	Metals	COPPER	SW6020B	2.74	µg/L	µg/L	5.88	NA	NA
SIB-SW-AAP957	Metals	LEAD	SW6020B	NA	NA	µg/L	0.188	NA	NA
SIB-SW-AAP957	Metals	ZINC	SW6020A	36.5	µg/L	µg/L	NA	377	102
SIB-SW-AAP957	Metals	ZINC	SW6020B	36.5	µg/L	µg/L	53.5	NA	NA
SIB-SW-AAP957	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	NA	NA	µg/L	0.013	0.0015 U	0.0039 J
SIB-SW-AAP957	PAHs	ACENAPHTHENE	SW8270D-SIM	NA	NA	µg/L	0.0023 J	0.0014 U	0.005 U
SIB-SW-AAP957	PAHs	ACENAPHTHYLENE	SW8270D-SIM	NA	NA	µg/L	0.00037 U	0.0013 U	0.0039 U
SIB-SW-AAP957	PAHs	ANTHRACENE	SW8270D-SIM	NA	NA	µg/L	0.00029 UJ	0.00091 U	0.0041 U
SIB-SW-AAP957	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00034 UJ	0.0011 U	0.0033 J
SIB-SW-AAP957	PAHs	BENZO(A)PYRENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00041 UJ	0.0013 U	0.0049 U
SIB-SW-AAP957	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00025 UJ	0.00092 U	0.0047 U
SIB-SW-AAP957	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	NA	NA	µg/L	0.0016 J	0.0062 J	0.0033 U
SIB-SW-AAP957	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00041 UJ	0.0011 U	0.0034 U
SIB-SW-AAP957	PAHs	CHRYSENE	SW8270D-SIM	0.0013	µg/L	µg/L	0.00065 UJ	0.00084 U	0.0039 U
SIB-SW-AAP957	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0029 U
SIB-SW-AAP957	PAHs	FLUORANTHENE	SW8270D-SIM	NA	NA	µg/L	0.00046	0.00091 U	0.012 U
SIB-SW-AAP957	PAHs	FLUORENE	SW8270D-SIM	NA	NA	µg/L	0.00042 J	0.0013 U	0.0043 U
SIB-SW-AAP957	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	0.0012	µg/L	µg/L	0.00044 U	0.00099 U	0.003 U
SIB-SW-AAP957	PAHs	NAPHTHALENE	SW8270D-SIM	12	µg/L	µg/L	0.013	0.0016 U	0.0097 J
SIB-SW-AAP957	PAHs	PHENANTHRENE	SW8270D-SIM	NA	NA	µg/L	0.006	0.033	0.013 J
SIB-SW-AAP957	PAHs	PYRENE	SW8270D-SIM	NA	NA	µg/L	0.006	0.0012 U	0.0092 J

Table 3-1 (continued)
City Outfalls - Bulk Water and Centrifuge Sediments Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Chemical Class	Analyte	Analytic Method	CUL	Sample Date		5/5/2022	10/21/2022	3/9/2023
					CUL Unit	Unit	Concentration and Qualifier		
SIB-SW-AAP957	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	0.00012	µg/L	µg/L	0.00045 U	0.0015 U	0.0046 J
SIB-SW-AAP957	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	NA	NA	µg/L	0.0513	0.048	0.067
SIB-SW-AAP957	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	0.2	µg/L	µg/L	0.14 U	0.13 U	0.27 U
SIB-SW-AAP957	sVOC	PENTACHLOROPHENOL	SW8270D	0.03	µg/L	µg/L	0.35 U	NA	3.5 U
SIB-SW-AAP957	TOC	DISSOLVED ORGANIC CARBON	A5310C	NA	NA	mg/L	508	NA	NA
SIB-SW-AAP957	TOC	TOTAL ORGANIC CARBON	SW9060	NA	NA	mg/L	48.1	37.2	3.1
SIB-SW-AAP957	Tributyltin	Tributyltin Hydride	ALS SOP	NA	NA	µg/L	0.012 U	0.013 U	0.013 U
SIB-SW-AAP957	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	NA	NA	mg/L	25	19 U	12.5 U
SIB-SW-AAP957	VOCs	ETHYLBENZENE	SW8260C	7.3	µg/L	µg/L	2.5 U	0.05 U	0.05 U
SIB-SW-AAP957	Mercury	MERCURY	SW7471B	0.085	mg/kg	mg/kg	0.008 U	0.007 J	0.17 J
SIB-SW-AAP957	Metals	ARSENIC	SW6020A	3	mg/kg	mg/kg	0.61	5.2	6.1 J
SIB-SW-AAP957	Metals	CADMIUM	SW6020A	0.51	mg/kg	mg/kg	0.153	0.159	1.87
SIB-SW-AAP957	Metals	COPPER	SW6020A	359	mg/kg	mg/kg	15	13	191
SIB-SW-AAP957	Metals	LEAD	SW6020A	196	mg/kg	mg/kg	3.5	3.16	61.2
SIB-SW-AAP957	Metals	ZINC	SW6020A	459	mg/kg	mg/kg	76.6	139	1,360
SIB-SW-AAP957	TSS	SOLIDS, PERCENT	A2540G	NA	NA	%	99.5	NA	NA
SIB-SW-AAP957	TSS	SOLIDS, PERCENT	E160.3M	NA	NA	%	NA	NA	5.42

Notes:

CUL Exceedance
MDL exceeds CUL
% = percent
µg/L = micrograms per liter
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
BaPEq = benzo(a)pyrene equivalent
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CUL = cleanup level
EPA = U.S. Environmental Protection Agency
HVS = high-volume sampling
J = estimated value
MDL = method detection limit
NA = not available/not analyzed
PAHs = polycyclic aromatic hydrocarbons
SIM = selected ion monitoring
sVOCs = semivolatile organic compounds
TEQ = toxic equivalent
TOC = total organic carbon
TSS = total suspended solids
U = analyte not detected above laboratory reporting limit
VOCs = volatile organic compounds

Table 3-2
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
Basin M-1: AAM104 In-line Sediment									
SIB-ILS-AAM104	Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	0.037 J	0.095 J
SIB-ILS-AAM104	Metals	ARSENIC	SW6020A	mg/kg	3	NE	NE	30.8	11.5
SIB-ILS-AAM104	Metals	CADMIUM	SW6020A	mg/kg	0.51	NE	NE	1.01	1.64
SIB-ILS-AAM104	Metals	COPPER	SW6020A	mg/kg	359	NE	NE	78.7	118
SIB-ILS-AAM104	Metals	LEAD	SW6020A	mg/kg	196	NE	NE	33.6	53.3
SIB-ILS-AAM104	Metals	ZINC	SW6020A	mg/kg	459	NE	NE	629	849
SIB-ILS-AAM104	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.62 U	0.5 U
SIB-ILS-AAM104	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.34 U	0.28 U
SIB-ILS-AAM104	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	0.50 U	0.62 U
SIB-ILS-AAM104	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.77 U	0.63 U
SIB-ILS-AAM104	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	0.68 U	0.56 U
SIB-ILS-AAM104	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	0.77 U	0.63 U
SIB-ILS-AAM104	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	0.92 U	0.75 U
SIB-ILS-AAM104	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	0.46 U	0.38 U
SIB-ILS-AAM104	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	0.92 U	0.75 U
SIB-ILS-AAM104	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	0.92 U	0.75 U
SIB-ILS-AAM104	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.77 U	0.63 U
SIB-ILS-AAM104	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.75 U	0.61 U
SIB-ILS-AAM104	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.31 U	0.25 U
SIB-ILS-AAM104	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.61 U	0.5 U
SIB-ILS-AAM104	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.63 U	0.51 U
SIB-ILS-AAM104	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.95 U	0.77 U
SIB-ILS-AAM104	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	1.3 U	1.1 U
SIB-ILS-AAM104	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.57 U	0.46 U
SIB-ILS-AAM104	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	1.3 U	1.1 U
SIB-ILS-AAM104	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	µg/kg	NE	NE	NE	NA	14
SIB-ILS-AAM104	PAHs	ACENAPHTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	9.4 J
SIB-ILS-AAM104	PAHs	ACENAPHTHYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	17
SIB-ILS-AAM104	PAHs	ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	50
SIB-ILS-AAM104	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	340
SIB-ILS-AAM104	PAHs	BENZO(A)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	350
SIB-ILS-AAM104	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	500
SIB-ILS-AAM104	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	520
SIB-ILS-AAM104	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	170
SIB-ILS-AAM104	PAHs	CHRYSENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	650
SIB-ILS-AAM104	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	83
SIB-ILS-AAM104	PAHs	FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	600

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM104	PAHs	FLUORENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	15
SIB-ILS-AAM104	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	280
SIB-ILS-AAM104	PAHs	NAPHTHALENE	SW8270D-SIM	µg/kg	NE	NE	140,000	NA	26
SIB-ILS-AAM104	PAHs	PHENANTHRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	240
SIB-ILS-AAM104	PAHs	PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	750
SIB-ILS-AAM104	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	µg/kg	774	NE	774,000	NA	547
SIB-ILS-AAM104	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	µg/kg	23,000	30,000	NE	NA	4610
SIB-ILS-AAM104	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	27	15
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	18	16
SIB-ILS-AAM104	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	7 U	4.7 U
SIB-ILS-AAM104	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	69.5	47.5
SIB-ILS-AAM104	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.257 J	0.662 J
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	3.9 J	15.9
SIB-ILS-AAM104	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	652 J	2890
SIB-ILS-AAM104	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	98.2 J	426
SIB-ILS-AAM104	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	79.3 J	339
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	2.02 J	8.53
SIB-ILS-AAM104	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	1.01 J	4.85
SIB-ILS-AAM104	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.41	NE	600	0.982 J	1.93 J
SIB-ILS-AAM104	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	1.9 J	8.47
SIB-ILS-AAM104	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	1.03 J	4.31 J
SIB-ILS-AAM104	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	0.249 UJ	2.36 J
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	1.86 J	8.21
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	4.51 J	19.4
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	2.26 J	9.53
SIB-ILS-AAM104	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	37.5 J	171
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	2.02 J	9.02
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	0.451 J	2.15 J
SIB-ILS-AAM104	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	18.8 J	79.9 J
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	35.7 J	149 J
SIB-ILS-AAM104	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	7.94 J	32.8 J
SIB-ILS-AAM104	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	172	764

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM104	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	85.7 J	379 J
SIB-ILS-AAM104	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	1.29 J	8.81 J
SIB-ILS-AAM104	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	41.7 J	189 J
SIB-ILS-AAM104	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	4.97	21.4
SIB-ILS-AAM104	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	7.35 J	30.8 J
SIB-ILS-AAM104	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	4.97	21.4
SIB-ILS-AAM104	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	5 J	21.4 J
SIB-ILS-AAM104	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/kg	135	NE	NE	7400	11000
SIB-ILS-AAM104	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	7.44	12.6
SIB-ILS-AAM104	TPH	PHC AS DIESEL FUEL	NWTPH-Dx	mg/kg	91	NE	NE	430 J	1100
SIB-ILS-AAM104	TPH	Residual Range Organics (C25-C36)	NWTPH-Dx	mg/kg	NE	NE	NE	3900 J	7100 J
SIB-ILS-AAM104	Tributyltin	Tributyltin Hydride	ALS SOP	µg/kg	3,080	NE	NE	1.6 U	7.5
SIB-ILS-AAM104	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	27.3	37.9
Basin M-2: AAM169 In-line Sediment									
SIB-ILS-AAM169	Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	0.072 J	0.026 J
SIB-ILS-AAM169	Metals	ARSENIC	SW6020A	mg/kg	3	NE	NE	17.8	13.3
SIB-ILS-AAM169	Metals	CADMIUM	SW6020A	mg/kg	0.51	NE	NE	0.918	1.13
SIB-ILS-AAM169	Metals	COPPER	SW6020A	mg/kg	359	NE	NE	105	121
SIB-ILS-AAM169	Metals	LEAD	SW6020A	mg/kg	196	NE	NE	29.8	38.1
SIB-ILS-AAM169	Metals	ZINC	SW6020A	mg/kg	459	NE	NE	807	833
SIB-ILS-AAM169	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.46 U	0.65 U
SIB-ILS-AAM169	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.26 U	0.37 U
SIB-ILS-AAM169	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	0.46 U	0.65 U
SIB-ILS-AAM169	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.58 U	0.82 U
SIB-ILS-AAM169	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	0.82	0.93 J
SIB-ILS-AAM169	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	1.1	1.3
SIB-ILS-AAM169	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	0.69 U	0.97 U
SIB-ILS-AAM169	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	0.35 U	1.2
SIB-ILS-AAM169	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	0.69 U	1.7
SIB-ILS-AAM169	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	2	3.5
SIB-ILS-AAM169	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.58 U	0.82 U
SIB-ILS-AAM169	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.56 U	0.8 U
SIB-ILS-AAM169	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.23 U	0.32 U
SIB-ILS-AAM169	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.51 J	0.64 U
SIB-ILS-AAM169	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.62 J	0.66 U
SIB-ILS-AAM169	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.71 U	1 U

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	0.95 U	1.4 U
SIB-ILS-AAM169	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.56 J	0.6 U
SIB-ILS-AAM169	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	2.5	1.4 U
SIB-ILS-AAM169	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	µg/kg	NE	NE	NE	35	20
SIB-ILS-AAM169	PAHs	ACENAPHTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	16	39
SIB-ILS-AAM169	PAHs	ACENAPHTHYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	16	19
SIB-ILS-AAM169	PAHs	ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	74	30
SIB-ILS-AAM169	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	180	130
SIB-ILS-AAM169	PAHs	BENZO(A)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	240	200
SIB-ILS-AAM169	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	400	340
SIB-ILS-AAM169	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	530	600
SIB-ILS-AAM169	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	140	130
SIB-ILS-AAM169	PAHs	CHRYSENE	SW8270D-SIM	µg/kg	NE	NE	NE	470	400
SIB-ILS-AAM169	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	58	51
SIB-ILS-AAM169	PAHs	FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	570	490
SIB-ILS-AAM169	PAHs	FLUORENE	SW8270D-SIM	µg/kg	NE	NE	NE	30	28
SIB-ILS-AAM169	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	260	240
SIB-ILS-AAM169	PAHs	NAPHTHALENE	SW8270D-SIM	µg/kg	NE	NE	140,000	32	33
SIB-ILS-AAM169	PAHs	PHENANTHRENE	SW8270D-SIM	µg/kg	NE	NE	NE	330	310
SIB-ILS-AAM169	PAHs	PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	810	700
SIB-ILS-AAM169	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	µg/kg	774	NE	774,000	384	324
SIB-ILS-AAM169	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	µg/kg	23,000	30,000	NE	4190	3760
SIB-ILS-AAM169	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	14 J	25
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	16 J	34
SIB-ILS-AAM169	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	5.5 U	5.9 U
SIB-ILS-AAM169	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	49.3	79.7
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/g	NE	NE	NE	57.4 UJ	94.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/g	NE	NE	NE	10.8 UJ	9.05 U
SIB-ILS-AAM169	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	pg/g	NE	NE	NE	36.3 UJ	58 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/g	NE	NE	NE	233 J	358
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/g	NE	NE	NE	2960 J	3690
SIB-ILS-AAM169	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/g	NE	NE	NE	137 J	152 J

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/g	NE	NE	NE	176 J	221 J
SIB-ILS-AAM169	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/g	NE	NE	NE	19.8 J	35.7 J
SIB-ILS-AAM169	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/g	NE	NE	NE	38.4 J	40.3 J
SIB-ILS-AAM169	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/g	NE	NE	NE	46.4 J	39.1 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/g	NE	NE	NE	151 J	231 J
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/g	NE	NE	NE	30.6 UJ	48.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/g	NE	NE	NE	30.2 UJ	48.3 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/g	NE	NE	NE	1750 J	2580
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/g	NE	NE	NE	549 J	887
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/g	NE	NE	NE	137 J	244 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/g	NE	NE	NE	784 J	1190
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	40.7 UJ	78.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/g	NE	NE	NE	138 J	241 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/g	NE	NE	NE	89 J	181 J
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/g	NE	NE	NE	32.6 UJ	48.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/g	NE	NE	NE	30.3 UJ	48.4 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/g	NE	NE	NE	56 UJ	43 U
SIB-ILS-AAM169	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/g	NE	NE	NE	1130 J	1770
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/g	NE	NE	NE	11.8 UJ	22.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/g	NE	NE	NE	36.8 UJ	58.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/g	NE	NE	NE	32.9 UJ	52.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/g	NE	NE	NE	84.2 J	110 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/g	NE	NE	NE	2040 J	3470
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/g	NE	NE	NE	1590 J	2940
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/g	NE	NE	NE	683 J	1350
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/g	NE	NE	NE	1040 J	1290
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/g	NE	NE	NE	70.4 UJ	117 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/g	NE	NE	NE	143 J	202 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	415 J	787
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/g	NE	NE	NE	135 J	167 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/g	NE	NE	NE	288 J	286 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/g	NE	NE	NE	132 J	141 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/g	NE	NE	NE	22.1 UJ	18 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/g	NE	NE	NE	101 J	134 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/g	NE	NE	NE	1630 J	2110
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/g	NE	NE	NE	730 J	985
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/g	NE	NE	NE	2270 J	3140
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/g	NE	NE	NE	1010 J	1810

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/g	NE	NE	NE	461 J	786
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/g	NE	NE	NE	346 J	566 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/g	NE	NE	NE	477 J	725
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/g	NE	NE	NE	838 J	1710
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/g	NE	NE	NE	45.4 J	61.7 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/g	NE	NE	NE	27.4 J	18 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/g	NE	NE	NE	68.8 J	82.9 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/g	NE	NE	NE	92.9 J	106 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/g	NE	NE	NE	71.1 J	80.4 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/g	NE	NE	NE	331 J	435 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/g	NE	NE	NE	112 J	156 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/g	NE	NE	NE	26.6 J	32.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/g	NE	NE	NE	24.7 UJ	36 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/g	NE	NE	NE	178 J	284 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/g	NE	NE	NE	285 J	360 J
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	30.2 J	60.7 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/g	NE	NE	NE	25.4 UJ	50.1 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	40 UJ	53.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/g	NE	NE	NE	27 UJ	52.4 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	30.5 UJ	59 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/g	NE	NE	NE	43.3 J	73.4 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/g	NE	NE	NE	65.1 J	136 J
SIB-ILS-AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/g	NE	NE	NE	522 J	685
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/g	NE	NE	NE	73.5 UJ	122 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/g	NE	NE	NE	46.5 UJ	77.3 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/g	NE	NE	NE	144 J	274 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/g	NE	NE	NE	714 J	775 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/g	NE	NE	NE	442 J	421 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/g	NE	NE	NE	59.3 UJ	45.5 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/g	NE	NE	NE	300 J	499
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/g	NE	NE	NE	42.4 J	54.5 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/g	NE	NE	NE	59.8 UJ	45.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/g	NE	NE	NE	61.4 UJ	47.1 U
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/g	NE	NE	NE	221 J	378
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/g	NE	NE	NE	464 J	712
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/g	NE	NE	NE	233 J	314 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/g	NE	NE	NE	74.8 UJ	84.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/g	NE	NE	NE	390 J	545

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/g	NE	NE	NE	391 J	486
SIB-ILS-AAM169	PCBs (as congeners)	PCB-82	E1668	pg/g	NE	NE	NE	228 J	331 J
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/g	NE	NE	NE	439 J	827
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/g	NE	NE	NE	117 J	247 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/g	NE	NE	NE	212 J	373
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/g	NE	NE	NE	242 J	460
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/g	NE	NE	NE	1180 J	2330
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/g	NE	NE	NE	542 J	1130
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/g	NE	NE	NE	513 J	1080
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/g	NE	NE	NE	237 J	452 J
SIB-ILS-AAM169	PCBs (as congeners)	PCB-167	E1668	pg/g	NE	NE	NE	131 J	175 J
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	121 J	180 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/g	NE	NE	NE	411 J	690
SIB-ILS-AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/g	NE	NE	NE	201 J	209 J
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/g	NE	NE	NE	163 J	353 J
SIB-ILS-AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/g	NE	NE	NE	69.5 J	72.3 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/g	NE	NE	NE	188 J	294 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/g	NE	NE	NE	451 J	813
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/g	NE	NE	NE	1220 J	2150
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/g	NE	NE	NE	451 J	813
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/g	NE	NE	NE	1220 J	2150
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/g	NE	NE	NE	24.4 UJ	35.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/g	NE	NE	NE	279 J	341 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/g	NE	NE	NE	3070 J	5430
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/g	NE	NE	NE	1110 J	1500 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/g	NE	NE	NE	22.6 UJ	18.5 U
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/g	NE	NE	NE	152 J	228 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/g	NE	NE	NE	25.6 J	29.2 J
SIB-ILS-AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/g	NE	NE	NE	19.2 UJ	15.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/g	NE	NE	NE	56.5 UJ	93.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/g	NE	NE	NE	6.93 UJ	10.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/g	NE	NE	NE	25.1 UJ	49.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/g	NE	NE	NE	50.1 UJ	60.3 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/g	NE	NE	NE	118 J	146 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/g	NE	NE	NE	50.4 J	74 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/g	NE	NE	NE	49.1 J	63.2 J
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/g	NE	NE	NE	16.4 UJ	30.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/g	NE	NE	NE	35.5 UJ	70.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/g	NE	NE	NE	71.9 UJ	119 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/g	NE	NE	NE	96.6 J	111 J

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/g	NE	NE	NE	37.3 UJ	56.1 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/g	NE	NE	NE	282 J	420 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/g	NE	NE	NE	1610 J	2060
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/g	NE	NE	NE	19.2 UJ	34.5 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/g	NE	NE	NE	21.6 UJ	38.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/g	NE	NE	NE	28 UJ	55.3 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/g	NE	NE	NE	2570 J	4590
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/g	NE	NE	NE	146 J	315 J
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/g	NE	NE	NE	68 UJ	113 U
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/g	NE	NE	NE	681 J	1140
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/g	NE	NE	NE	81 J	132 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/g	NE	NE	NE	129 J	135 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/g	NE	NE	NE	64.9 UJ	73.3 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/g	NE	NE	NE	101 J	122 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/g	NE	NE	NE	72.9 UJ	55.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/g	NE	NE	NE	65.1 UJ	50.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/g	NE	NE	NE	61.2 UJ	46.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/g	NE	NE	NE	110 J	166 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/g	NE	NE	NE	36.7 UJ	48.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/g	NE	NE	NE	52.3 UJ	40.1 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/g	NE	NE	NE	50.2 UJ	38.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/g	NE	NE	NE	18.8 J	21.9 J
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/g	NE	NE	NE	36.6 UJ	72.4 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/g	NE	NE	NE	33.5 UJ	66.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/g	NE	NE	NE	44.5 UJ	88 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/g	NE	NE	NE	38.8 UJ	43.8 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/g	NE	NE	NE	57.6 UJ	44.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/g	NE	NE	NE	63 J	73 J
SIB-ILS-AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/g	NE	NE	NE	59.8 UJ	45.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/g	NE	NE	NE	23.2 UJ	45.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/g	NE	NE	NE	39.2 J	50.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/g	NE	NE	NE	20 UJ	36 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/g	NE	NE	NE	25.6 UJ	45.5 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/g	NE	NE	NE	261 J	481
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/g	NE	NE	NE	47.3 UJ	78.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/g	NE	NE	NE	207 J	443
SIB-ILS-AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/g	NE	NE	NE	48.4 UJ	80.4 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/g	NE	NE	NE	31.2 UJ	72.4 U

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/g	NE	NE	NE	12.1 UJ	22.6 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/g	NE	NE	NE	12.7 UJ	23.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/g	NE	NE	NE	27 J	57.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/g	NE	NE	NE	25.8 UJ	59.9 U
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/g	NE	NE	NE	28.4 UJ	33 U
SIB-ILS-AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/g	NE	NE	NE	29 J	51.2 U
SIB-ILS-AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/g	NE	NE	NE	10.6 UJ	20.1 U
SIB-ILS-AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/g	NE	NE	NE	50.1 UJ	66.7 U
SIB-ILS-AAM169	PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/g	NE	NE	NE	45900 J	71700 J
SIB-ILS-AAM169	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/g	9,000	75,000	200,000	93100	145000
SIB-ILS-AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.471 J	0.776
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	12.1 J	12.2
SIB-ILS-AAM169	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	1760 J	1860
SIB-ILS-AAM169	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	300 J	299
SIB-ILS-AAM169	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	193 J	191
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	6.52 J	6.6 J
SIB-ILS-AAM169	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	3.31 J	3.96 J
SIB-ILS-AAM169	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.40658	NE	600	0.764 J	1.73 J
SIB-ILS-AAM169	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	4.18 J	4.07 J
SIB-ILS-AAM169	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	2.12 J	2.61 J
SIB-ILS-AAM169	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	1.79 J	2.04 J
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	3.53 J	3.47 J
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	12.9 J	13.4
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	4.18 J	4.66 J
SIB-ILS-AAM169	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	89 J	75.7
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	4.46 J	4.55 J
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	1.23 J	1.15 J
SIB-ILS-AAM169	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	34.2 J	42 J
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	95.4 J	112 J
SIB-ILS-AAM169	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	17.7 J	25.6 J
SIB-ILS-AAM169	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	514	484
SIB-ILS-AAM169	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	220 J	196 J
SIB-ILS-AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	7.3 J	11.8 J
SIB-ILS-AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	94.5 J	92.7 J
SIB-ILS-AAM169	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	13.6	14.8
SIB-ILS-AAM169	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	10.5 J	17.3 J
SIB-ILS-AAM169	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	13.6	14.8

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM169	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	13.6 J	14.8 J
SIB-ILS-AAM169	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/kg	135	NE	NE	5600	9200
SIB-ILS-AAM169	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	10.2	16
SIB-ILS-AAM169	TPH	PHC AS DIESEL FUEL	NWTPH-Dx	mg/kg	91	NE	NE	810	1100
SIB-ILS-AAM169	TPH	Residual Range Organics (C25-C36)	NWTPH-Dx	mg/kg	NE	NE	NE	6000 J	7300 J
SIB-ILS-AAM169	Tributyltin	Tributyltin Hydride	ALS SOP	µg/kg	3,080	NE	NE	1.5 J	2.1 J
SIB-ILS-AAM169	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	36.6	31.7
Basin M-3: AAQ005 In-line Sediment									
SIB-ILS-AAQ005	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.46 U	NA
SIB-ILS-AAQ005	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.26 U	NA
SIB-ILS-AAQ005	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	0.46 U	NA
SIB-ILS-AAQ005	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.57 U	NA
SIB-ILS-AAQ005	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	0.51 U	NA
SIB-ILS-AAQ005	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	0.57 U	NA
SIB-ILS-AAQ005	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	0.68 U	NA
SIB-ILS-AAQ005	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	0.34 U	NA
SIB-ILS-AAQ005	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	0.68 U	NA
SIB-ILS-AAQ005	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	0.68 U	NA
SIB-ILS-AAQ005	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.57 U	NA
SIB-ILS-AAQ005	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.56 U	NA
SIB-ILS-AAQ005	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.23 U	NA
SIB-ILS-AAQ005	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.45 U	NA
SIB-ILS-AAQ005	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.46 U	NA
SIB-ILS-AAQ005	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.7 U	NA
SIB-ILS-AAQ005	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	0.94 U	NA
SIB-ILS-AAQ005	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.42 U	NA
SIB-ILS-AAQ005	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	0.94 U	NA
SIB-ILS-AAQ005	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 U
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 UJ
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 UJ
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 UJ
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 UJ
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 U
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	18	3.2 U
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	12	3.2 U
SIB-ILS-AAQ005	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	4.4 U	3.2 U
SIB-ILS-AAQ005	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	45.4	3.2 UJ
SIB-ILS-AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.124 UJ	0.184 J

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	2.88 J	3.31 J
SIB-ILS-AAQ005	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	343 J	815
SIB-ILS-AAQ005	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	64.9 J	122 J
SIB-ILS-AAQ005	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	34.3 J	192 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	1.55 J	1.75 J
SIB-ILS-AAQ005	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	0.161 UJ	0.891 J
SIB-ILS-AAQ005	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.41	NE	600	0.419 J	0.494 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	1.01 J	5.29
SIB-ILS-AAQ005	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	0.673 J	0.817 J
SIB-ILS-AAQ005	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	0.352 J	0.442 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	0.9 J	1.09 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	3.05 J	4.81 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	1.09 J	1.42 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	17.5 J	39.6
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	1.1 J	2.53 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	0.282 J	0.584 J
SIB-ILS-AAQ005	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	8.82 J	10.8 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	27.9 J	29.1 J
SIB-ILS-AAQ005	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	5.79 J	5.01 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	27.9 J	29.1 J
SIB-ILS-AAQ005	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	126	210
SIB-ILS-AAQ005	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	42.4 J	150 J
SIB-ILS-AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	0.9 J	0.873 J
SIB-ILS-AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	21.1 J	37.2 J
SIB-ILS-AAQ005	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	3.14	4.91
SIB-ILS-AAQ005	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	3.92 J	4.03 J
SIB-ILS-AAQ005	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	3.2	4.91
SIB-ILS-AAQ005	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	2.4 J	4.9 J
SIB-ILS-AAQ005	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/kg	135	NE	NE	4100	NA
SIB-ILS-AAQ005	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	6.99	NA
SIB-ILS-AAQ005	TPH	PHC AS DIESEL FUEL	NWTPH-Dx	mg/kg	91	NE	NE	620	NA
SIB-ILS-AAQ005	TPH	Residual Range Organics (C25-C36)	NWTPH-Dx	mg/kg	NE	NE	NE	4600	NA
SIB-ILS-AAQ005	Tributyltin	Tributyltin Hydride	ALS SOP	µg/kg	3,080	NE	NE	2.3 J	NA
SIB-ILS-AAQ005	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	42.9	NA
Basin M-3: AND479 In-line Sediment									
SIB-ILS-AND479	Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	0.049 J	0.053 J
SIB-ILS-AND479	Metals	ARSENIC	SW6020A	mg/kg	3	NE	NE	3.39	4.15
SIB-ILS-AND479	Metals	CADMIUM	SW6020A	mg/kg	0.51	NE	NE	0.971	1.03

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AND479	Metals	COPPER	SW6020A	mg/kg	359	NE	NE	85.2	105
SIB-ILS-AND479	Metals	LEAD	SW6020A	mg/kg	196	NE	NE	85.4	123
SIB-ILS-AND479	Metals	ZINC	SW6020A	mg/kg	459	NE	NE	778	728
SIB-ILS-AND479	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.37 U	0.41 U
SIB-ILS-AND479	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.21 U	0.23 U
SIB-ILS-AND479	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	0.37 U	0.41 U
SIB-ILS-AND479	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.46 U	0.51 U
SIB-ILS-AND479	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	0.56 J	0.58 J
SIB-ILS-AND479	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	0.79	0.84
SIB-ILS-AND479	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	0.54 U	0.61 U
SIB-ILS-AND479	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	0.27 U	0.71
SIB-ILS-AND479	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	0.54 U	1
SIB-ILS-AND479	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	1.5	2.2
SIB-ILS-AND479	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.46 U	0.51 U
SIB-ILS-AND479	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.45 U	0.5 U
SIB-ILS-AND479	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.18 U	0.2 U
SIB-ILS-AND479	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	1.4	0.7 J
SIB-ILS-AND479	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	2	1 J
SIB-ILS-AND479	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.56 U	0.63 U
SIB-ILS-AND479	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	0.75 U	0.84 U
SIB-ILS-AND479	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	1.5	0.85 J
SIB-ILS-AND479	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	5.6	3.3
SIB-ILS-AND479	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	140	350
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	48	67
SIB-ILS-AND479	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	3.4 U	3.6 U
SIB-ILS-AND479	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	200	430
SIB-ILS-AND479	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.502 J	0.437 J
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	7.14 J	9.96
SIB-ILS-AND479	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	2010 J	1970
SIB-ILS-AND479	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	250 J	286
SIB-ILS-AND479	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	276 J	426
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	3.56 J	5.78

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AND479	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	2.32 J	2.84 J
SIB-ILS-AND479	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.41	NE	600	1.22 J	0.806 J
SIB-ILS-AND479	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	7.62 J	10.6
SIB-ILS-AND479	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	2.35 J	2.12 J
SIB-ILS-AND479	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	1.67 J	1.29 J
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	3.82 J	5.18
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	9.65 J	11.5
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	5.03 J	6.74
SIB-ILS-AND479	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	114 J	174
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	5.49 J	6.64
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	1.15 J	1.27 J
SIB-ILS-AND479	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	36.7 J	38.7 J
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	73.4 J	79.7 J
SIB-ILS-AND479	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	10.3 J	12.9 J
SIB-ILS-AND479	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	655	518
SIB-ILS-AND479	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	386 J	514 J
SIB-ILS-AND479	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	3.7 J	2.73 J
SIB-ILS-AND479	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	130 J	164 J
SIB-ILS-AND479	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	11.7	14.2
SIB-ILS-AND479	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	17.8 J	14.4 J
SIB-ILS-AND479	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	11.7	14.2
SIB-ILS-AND479	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	11.7 J	14.2 J
SIB-ILS-AND479	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	5.86	6.31
SIB-ILS-AND479	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	57.9	51.2
Basin S-1: AAM131 In-line Sediment									
SIB-ILS-AAM131	Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	NA	0.121 J
SIB-ILS-AAM131	Metals	ARSENIC	SW6020A	mg/kg	3	NE	NE	NA	5.7
SIB-ILS-AAM131	Metals	CADMIUM	SW6020A	mg/kg	0.51	NE	NE	NA	3.1
SIB-ILS-AAM131	Metals	COPPER	SW6020A	mg/kg	359	NE	NE	NA	256
SIB-ILS-AAM131	Metals	LEAD	SW6020A	mg/kg	196	NE	NE	NA	83.8
SIB-ILS-AAM131	Metals	ZINC	SW6020A	mg/kg	459	NE	NE	NA	990
SIB-ILS-AAM131	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	NA	0.68 U
SIB-ILS-AAM131	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	NA	0.38 U
SIB-ILS-AAM131	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	NA	0.68 U
SIB-ILS-AAM131	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	NA	0.85 U
SIB-ILS-AAM131	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	NA	1.6
SIB-ILS-AAM131	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	NA	2

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM131	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	NA	1.1 U
SIB-ILS-AAM131	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	NA	3.7
SIB-ILS-AAM131	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	NA	4.3
SIB-ILS-AAM131	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	NA	6.8
SIB-ILS-AAM131	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	NA	0.85 U
SIB-ILS-AAM131	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	NA	0.83 U
SIB-ILS-AAM131	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	NA	0.34 U
SIB-ILS-AAM131	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	NA	0.67 U
SIB-ILS-AAM131	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	NA	0.69 U
SIB-ILS-AAM131	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	NA	1.1 U
SIB-ILS-AAM131	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	NA	1.4 U
SIB-ILS-AAM131	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	NA	0.63 U
SIB-ILS-AAM131	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	NA	1.4 U
SIB-ILS-AAM131	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1200
SIB-ILS-AAM131	PAHs	ACENAPHTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1200
SIB-ILS-AAM131	PAHs	ACENAPHTHYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1100
SIB-ILS-AAM131	PAHs	ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1200
SIB-ILS-AAM131	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1300
SIB-ILS-AAM131	PAHs	BENZO(A)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	980
SIB-ILS-AAM131	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1100
SIB-ILS-AAM131	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1600
SIB-ILS-AAM131	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1400
SIB-ILS-AAM131	PAHs	CHRYSENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	2100
SIB-ILS-AAM131	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	830
SIB-ILS-AAM131	PAHs	FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	2000
SIB-ILS-AAM131	PAHs	FLUORENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1300
SIB-ILS-AAM131	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	920
SIB-ILS-AAM131	PAHs	NAPHTHALENE	SW8270D-SIM	µg/kg	NE	NE	140,000	NA	1000
SIB-ILS-AAM131	PAHs	PHENANTHRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	1600
SIB-ILS-AAM131	PAHs	PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	NA	2100
SIB-ILS-AAM131	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	µg/kg	774	NE	774,000	NA	2160
SIB-ILS-AAM131	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	µg/kg	23,000	30,000	NE	NA	22900
SIB-ILS-AAM131	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 U
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 UJ
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 UJ
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 UJ
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 UJ
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 U

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	87	12 U
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	120	34
SIB-ILS-AAM131	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	5.1 U	6.4 U
SIB-ILS-AAM131	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	225	62.4
SIB-ILS-AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	1.29 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	19.3 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	4890 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	694 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	332 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	10.8 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	7.58 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.41	NE	600	4.06 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	11.8 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	12 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	3.77 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	9.43 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	28.4 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	14.9 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	171 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	15.5 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	3.64 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	171 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	221	NA
SIB-ILS-AAM131	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	50.4 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	1270	NA
SIB-ILS-AAM131	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	469 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	15.6 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	278 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	33.5	NA
SIB-ILS-AAM131	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	69.8 J	NA
SIB-ILS-AAM131	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	33.5	NA
SIB-ILS-AAM131	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	33.5 J	NA
SIB-ILS-AAM131	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	10.2	15.4
SIB-ILS-AAM131	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	34.5	30.7
Basin S-2: AAP957 In-line Sediment									
SIB-ILS-AAP957	Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	0.139 J	0.19 J
SIB-ILS-AAP957	Metals	ARSENIC	SW6020A	mg/kg	3	NE	NE	4.4	5.6

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAP957	Metals	CADMIUM	SW6020A	mg/kg	0.5	NE	NE	1.62	1.7
SIB-ILS-AAP957	Metals	COPPER	SW6020A	mg/kg	359	NE	NE	158	147
SIB-ILS-AAP957	Metals	LEAD	SW6020A	mg/kg	196	NE	NE	69.9	87.7
SIB-ILS-AAP957	Metals	ZINC	SW6020A	mg/kg	459	NE	NE	893	903
SIB-ILS-AAP957	O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.61 U	0.54 U
SIB-ILS-AAP957	O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.34 U	0.3 U
SIB-ILS-AAP957	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	0.61 U	0.54 U
SIB-ILS-AAP957	O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.77 U	0.68 U
SIB-ILS-AAP957	O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	1.5	1.9
SIB-ILS-AAP957	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	1.9	2.2
SIB-ILS-AAP957	O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	0.91 U	0.8 U
SIB-ILS-AAP957	O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	0.46 U	1.8
SIB-ILS-AAP957	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	0.91 U	2.2
SIB-ILS-AAP957	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7,050	3	4.9
SIB-ILS-AAP957	O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.77 U	0.68 U
SIB-ILS-AAP957	O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.75 U	0.66 U
SIB-ILS-AAP957	O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.3 U	0.62 J
SIB-ILS-AAP957	O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.95 J	0.69 J
SIB-ILS-AAP957	O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	1.1 J	0.85 J
SIB-ILS-AAP957	O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.94 U	0.83 U
SIB-ILS-AAP957	O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	1.3 U	1.2 U
SIB-ILS-AAP957	O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.83 J	0.61 J
SIB-ILS-AAP957	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	4	3.2
SIB-ILS-AAP957	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	µg/kg	NE	NE	NE	23	NA
SIB-ILS-AAP957	PAHs	ACENAPHTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	13 J	NA
SIB-ILS-AAP957	PAHs	ACENAPHTHYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	18	NA
SIB-ILS-AAP957	PAHs	ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	49	NA
SIB-ILS-AAP957	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	300	NA
SIB-ILS-AAP957	PAHs	BENZO(A)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	470	NA
SIB-ILS-AAP957	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	760	NA
SIB-ILS-AAP957	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	730	NA
SIB-ILS-AAP957	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	260	NA
SIB-ILS-AAP957	PAHs	CHRYSENE	SW8270D-SIM	µg/kg	NE	NE	NE	750	NA
SIB-ILS-AAP957	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	100	NA
SIB-ILS-AAP957	PAHs	FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	1000	NA
SIB-ILS-AAP957	PAHs	FLUORENE	SW8270D-SIM	µg/kg	NE	NE	NE	19	NA
SIB-ILS-AAP957	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	510	NA
SIB-ILS-AAP957	PAHs	NAPHTHALENE	SW8270D-SIM	µg/kg	NE	NE	140,000	37	NA

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAP957	PAHs	PHENANTHRENE	SW8270D-SIM	µg/kg	NE	NE	NE	430	NA
SIB-ILS-AAP957	PAHs	PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	1100	NA
SIB-ILS-AAP957	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	µg/kg	774	NE	774,000	730	NA
SIB-ILS-AAP957	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	µg/kg	23,000	30,000	NE	6570	NA
SIB-ILS-AAP957	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	5.8 U	5.1 U
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	5.8 UJ	5.1 UJ
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	5.8 UJ	5.1 UJ
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	5.8 UJ	5.1 UJ
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	5.8 UJ	5.1 UJ
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	5.8 U	5.1 U
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	30	27
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	21 J	17 J
SIB-ILS-AAP957	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	5.8 U	5.1 U
SIB-ILS-AAP957	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	71.3	61.9
SIB-ILS-AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.78 J	1.19
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	11.6 J	22
SIB-ILS-AAP957	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	4020 J	9440 J
SIB-ILS-AAP957	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	448 J	872
SIB-ILS-AAP957	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	226 J	548
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	7.11 J	12.3
SIB-ILS-AAP957	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	5.37 J	7 J
SIB-ILS-AAP957	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.41	NE	600	1.44 J	2.38 J
SIB-ILS-AAP957	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	17 J	13.5
SIB-ILS-AAP957	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	8.49 J	7.19
SIB-ILS-AAP957	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	2.5 J	3.09 J
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	10.3 J	7.24
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	19.4 J	29.2
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	12.9 J	10.8
SIB-ILS-AAP957	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	197 J	174
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	45.7 J	13.6
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	6.57 J	3.21 J
SIB-ILS-AAP957	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	78.3 J	116 J
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	114 J	233
SIB-ILS-AAP957	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	20.3 J	47.4 J
SIB-ILS-AAP957	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	894	1590
SIB-ILS-AAP957	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	644 J	579 J
SIB-ILS-AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	4.66 J	15.1 J
SIB-ILS-AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	407 J	229 J

Table 3-2 (continued)
City Outfalls - In-line Sediment Samples Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Unit	Sample Season			WET*	DRY**
					CUL	RAL/PQL	PTW	Result and Qualifier	
SIB-ILS-AAP957	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	28.2	34.1
SIB-ILS-AAP957	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	14.7 J	50.9 J
SIB-ILS-AAP957	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	28.2	34.1
SIB-ILS-AAP957	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	28.2 J	34.1 J
SIB-ILS-AAP957	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/kg	135	NE	NE	6700	NA
SIB-ILS-AAP957	TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	11.3	9.22
SIB-ILS-AAP957	TPH	PHC AS DIESEL FUEL	NWTPH-Dx	mg/kg	91	NE	NE	2300	NA
SIB-ILS-AAP957	TPH	Residual Range Organics (C25-C36)	NWTPH-Dx	mg/kg	NE	NE	NE	9600 J	NA
SIB-ILS-AAP957	Tributyltin	Tributyltin Hydride	ALS SOP	µg/kg	3,080	NE	NE	5.5	NA
SIB-ILS-AAP957	TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	33.2	38.6

Notes:

*WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

**DRY = Dry season in-line sediment samples collected between May 2022 and November 2022

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

% = percent
µg/kg = micrograms per liter
mg/kg = milligrams per kilogram
pg/g = picograms per gram
ALS SOP = ALS Environmental standard operating procedure
BaPEq = benzo(a)pyrene equivalent
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CUL = cleanup level
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethane
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
EPA = U.S. Environmental Protection Agency
J = estimated value
MDL = method detection limit
NA = Not analyzed due to limited sample mass
ND = non-detect
NE = none established
NWTPH-Dx = Northwest total petroluem hydrocarbons method - diesel range
O/P = organochlorine pesticides
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
PCDD = polychlorinated dibenzo-p-dioxin
PCDF = polychlorinated dibenzofuran
PHC = petroleum hydrocarbons
PQL = practical quantitation limit
PTW = principal threat waste threshold
RAL = remedial action level
SIM = selected ion monitoring
sVOC = semivolatile organic compounds
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TOC = total organic carbon
TPH = total petroleum hydrocarbons
TSS = total suspended solids
U = analyte not detected above laboratory reporting limit

Table 3-3
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
Mercury	MERCURY	SW7471B	mg/kg	0.085	NE	NE	0.00684 J
Metals	ARSENIC	SW6020B	mg/kg	3	NE	NE	2.89
Metals	CADMIUM	SW6020B	mg/kg	0.51	NE	NE	0.31
Metals	COPPER	SW6020B	mg/kg	359	NE	NE	31.1
Metals	LEAD	SW6020B	mg/kg	196	NE	NE	8.76
Metals	ZINC	SW6020B	mg/kg	459	NE	NE	161
O/P	DDD; 2,4'-	E1699M	µg/kg	NE	NE	NE	0.079 U
O/P	DDD; P,P'-	E1699M	µg/kg	NE	NE	NE	0.044 U
Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	µg/kg	114	NE	NE	0.079 U
O/P	DDE; O,P'-	E1699M	µg/kg	NE	NE	NE	0.099 U
O/P	DDE; P,P'-	E1699M	µg/kg	NE	NE	NE	0.26
Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	µg/kg	50	NE	NE	0.31
O/P	DDT; O,P'-	E1699M	µg/kg	NE	NE	NE	1.1
O/P	DDT; P,P'-	E1699M	µg/kg	NE	NE	NE	2.9
Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	µg/kg	246	NE	NE	4
Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	µg/kg	6.1	160	7050	4.4
O/P	ALDRIN	E1699M	µg/kg	2	NE	NE	0.099 U
O/P	DIELDRIN	E1699M	µg/kg	0.07	NE	NE	0.097 U
O/P	GAMMA BHC (LINDANE)	E1699M	µg/kg	5	NE	NE	0.039 U
O/P	ALPHA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.19 J
O/P	BETA-CHLORDANE	E1699M	µg/kg	NE	NE	NE	0.31
O/P	CIS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.13 U
O/P	Oxychlordane	E1699M	µg/kg	NE	NE	NE	0.17 U
O/P	TRANS-NONACHLOR	E1699M	µg/kg	NE	NE	NE	0.15 J
Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	µg/kg	1.4	NE	NE	0.8
PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	µg/kg	NE	NE	NE	1.9 J
PAHs	ACENAPHTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	8.4
PAHs	ACENAPHTHYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	1.1 J
PAHs	ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	2.9 J
PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	6.6
PAHs	BENZO(A)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	9.3
PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	18
PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	µg/kg	NE	NE	NE	36
PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	4.9 J
PAHs	CHRYSENE	SW8270D-SIM	µg/kg	NE	NE	NE	26
PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	µg/kg	NE	NE	NE	4.5 J
PAHs	FLUORANTHENE	SW8270D-SIM	µg/kg	NE	NE	NE	25
PAHs	FLUORENE	SW8270D-SIM	µg/kg	NE	NE	NE	4.7 J

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	13
PAHs	NAPHTHALENE	SW8270D-SIM	µg/kg	NE	NE	140,000	2.4 J
PAHs	PHENANTHRENE	SW8270D-SIM	µg/kg	NE	NE	NE	22
PAHs	PYRENE	SW8270D-SIM	µg/kg	NE	NE	NE	46
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	µg/kg	774	NE	774,000	17.6 J
Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	µg/kg	23,000	30,000	NE	233
PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/kg	NE	NE	NE	0.62 U
PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/kg	NE	NE	NE	44
PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/kg	NE	NE	NE	36
PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/kg	NE	NE	NE	0.62 U
Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/kg	9	75	200	82.2
PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/g	NE	NE	NE	40.8 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/g	NE	NE	NE	3.28 U
PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	pg/g	NE	NE	NE	29.5 U
PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/g	NE	NE	NE	28.9 J
PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/g	NE	NE	NE	366
PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/g	NE	NE	NE	25.8 U
PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/g	NE	NE	NE	24 J
PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/g	NE	NE	NE	8.98 U
PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/g	NE	NE	NE	21 J
PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/g	NE	NE	NE	20.9 J
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/g	NE	NE	NE	65.9 J
PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/g	NE	NE	NE	24.8 U
PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/g	NE	NE	NE	24.6 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/g	NE	NE	NE	171
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/g	NE	NE	NE	15.7 UJ
PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/g	NE	NE	NE	17.3 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/g	NE	NE	NE	76.3 J
PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	12.4 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/g	NE	NE	NE	14.7 U
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/g	NE	NE	NE	68.3 J
PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/g	NE	NE	NE	21.8 U
PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/g	NE	NE	NE	24.6 U

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/g	NE	NE	NE	13.4 U
PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/g	NE	NE	NE	105 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/g	NE	NE	NE	4.29 U
PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/g	NE	NE	NE	29.9 U
PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/g	NE	NE	NE	26.8 U
PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/g	NE	NE	NE	21.8 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/g	NE	NE	NE	574
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/g	NE	NE	NE	1,400
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/g	NE	NE	NE	572
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/g	NE	NE	NE	119
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/g	NE	NE	NE	35.3 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/g	NE	NE	NE	31 U
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	336
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/g	NE	NE	NE	20.6 U
PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/g	NE	NE	NE	24.5 J
PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/g	NE	NE	NE	14.2 J
PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/g	NE	NE	NE	8.93 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/g	NE	NE	NE	8.93 U
PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/g	NE	NE	NE	15.9 J
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/g	NE	NE	NE	530
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/g	NE	NE	NE	67 J
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/g	NE	NE	NE	385
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/g	NE	NE	NE	500
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/g	NE	NE	NE	131 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/g	NE	NE	NE	56.5 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/g	NE	NE	NE	254
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/g	NE	NE	NE	793
PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/g	NE	NE	NE	11.6 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/g	NE	NE	NE	8.93 U
PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/g	NE	NE	NE	9.09 J
PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/g	NE	NE	NE	11.8 J
PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/g	NE	NE	NE	7.78 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/g	NE	NE	NE	7.92 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/g	NE	NE	NE	15.9 J
PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/g	NE	NE	NE	11.1 U
PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/g	NE	NE	NE	12.5 U
PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/g	NE	NE	NE	20.4 J
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/g	NE	NE	NE	23.7 J
PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/g	NE	NE	NE	22.4 J

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/g	NE	NE	NE	15.8 U
PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	17.1 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/g	NE	NE	NE	10.1 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	11.3 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/g	NE	NE	NE	34.6 J
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/g	NE	NE	NE	50.3 J
PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/g	NE	NE	NE	107 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/g	NE	NE	NE	36.9 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/g	NE	NE	NE	23.3 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/g	NE	NE	NE	123
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/g	NE	NE	NE	19.2 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/g	NE	NE	NE	39.2 J
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/g	NE	NE	NE	14.1 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/g	NE	NE	NE	27 J
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/g	NE	NE	NE	5.62 U
PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/g	NE	NE	NE	14.3 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/g	NE	NE	NE	14.6 U
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/g	NE	NE	NE	182
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/g	NE	NE	NE	182
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/g	NE	NE	NE	28 J
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/g	NE	NE	NE	28.8 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/g	NE	NE	NE	95 J
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/g	NE	NE	NE	50.6 J
PCBs (as congeners)	PCB-82	E1668	pg/g	NE	NE	NE	27.9 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/g	NE	NE	NE	364
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/g	NE	NE	NE	109 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/g	NE	NE	NE	72.6 J
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/g	NE	NE	NE	188
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/g	NE	NE	NE	837
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/g	NE	NE	NE	506
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/g	NE	NE	NE	432
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/g	NE	NE	NE	199 J
PCBs (as congeners)	PCB-167	E1668	pg/g	NE	NE	NE	31.3 J
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/g	NE	NE	NE	104 J
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/g	NE	NE	NE	213
PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/g	NE	NE	NE	23.2 J
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/g	NE	NE	NE	156
PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/g	NE	NE	NE	15.4 J

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/g	NE	NE	NE	83.3 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/g	NE	NE	NE	223
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/g	NE	NE	NE	748
PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/g	NE	NE	NE	12.4 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/g	NE	NE	NE	53.4 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/g	NE	NE	NE	1080
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/g	NE	NE	NE	116 J
PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/g	NE	NE	NE	9.16 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/g	NE	NE	NE	17.5 J
PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/g	NE	NE	NE	6.82 U
PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/g	NE	NE	NE	7.78 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/g	NE	NE	NE	28.4 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/g	NE	NE	NE	3.56 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/g	NE	NE	NE	15.7 U
PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/g	NE	NE	NE	18.5 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/g	NE	NE	NE	33.6 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/g	NE	NE	NE	23.4 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/g	NE	NE	NE	5.72 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/g	NE	NE	NE	5.49 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/g	NE	NE	NE	22.2 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/g	NE	NE	NE	36.1 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/g	NE	NE	NE	10.9 J
PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/g	NE	NE	NE	14.5 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/g	NE	NE	NE	27.2 J
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/g	NE	NE	NE	167 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/g	NE	NE	NE	4.96 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/g	NE	NE	NE	5.6 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/g	NE	NE	NE	17.5 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/g	NE	NE	NE	1480
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/g	NE	NE	NE	114 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/g	NE	NE	NE	34.1 U
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/g	NE	NE	NE	385
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/g	NE	NE	NE	15.9 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/g	NE	NE	NE	11.9 J
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/g	NE	NE	NE	25 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/g	NE	NE	NE	20.7 U
PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/g	NE	NE	NE	17.4 U
PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/g	NE	NE	NE	15.3 U

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/g	NE	NE	NE	14.6 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/g	NE	NE	NE	13.7 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/g	NE	NE	NE	15.7 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/g	NE	NE	NE	12.5 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/g	NE	NE	NE	12 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/g	NE	NE	NE	4.94 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/g	NE	NE	NE	22.9 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/g	NE	NE	NE	20.9 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/g	NE	NE	NE	27.8 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/g	NE	NE	NE	14.9 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/g	NE	NE	NE	13.8 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/g	NE	NE	NE	15.8 U
PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/g	NE	NE	NE	14.3 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/g	NE	NE	NE	14.4 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/g	NE	NE	NE	16 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/g	NE	NE	NE	5.19 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/g	NE	NE	NE	7 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/g	NE	NE	NE	94.1 J
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/g	NE	NE	NE	23.7 U
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/g	NE	NE	NE	117
PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/g	NE	NE	NE	24.3 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/g	NE	NE	NE	19.9 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/g	NE	NE	NE	4.04 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/g	NE	NE	NE	4.25 U
PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/g	NE	NE	NE	22.5 J
PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/g	NE	NE	NE	16.5 U
PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/g	NE	NE	NE	9.62 U
PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/g	NE	NE	NE	19.1 J
PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/g	NE	NE	NE	4.02 U
PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/g	NE	NE	NE	21.4 U
PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/g	NE	NE	NE	15,900 J
Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/g	9,000	75,000	200,000	32,400
PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/g	0.2	1	10	0.262 U
PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	1.19 J
PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	316
PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	38.4
PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	20
PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/g	NE	NE	NE	0.638 J

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

							Basin M-2: AAM169 Manual Grab Solid
							Sample ID: SIB-SED-MG-AAM169-NW-061723
							Sample Date: 6/18/2023
Chemical Class	**Chemical Name**	**Analysis Method**	**Unit**	**CUL**	**RAL/PQL**	**PTW**	**Result and Qualifier**
PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/g	0.2	2.5	10	0.754 J
PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/g	0.40658	NE	600	0.554 J
PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/g	NE	NE	NE	0.74 J
PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/g	0.3	200	200	0.48 J
PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/g	NE	NE	NE	0.424 J
PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	0.528 J
PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/g	NE	NE	NE	1.59 J
PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	0.622 J
PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/g	NE	NE	NE	7.82
PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/g	0.4	NE	400	0.796 J
PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/g	NE	NE	NE	0.22 J
PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/g	NE	NE	NE	6.18 J
PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	11.7 J
PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	2.37 J
PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/g	NE	NE	NE	69.1
PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/g	NE	NE	NE	23.5 J
PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/g	NE	NE	NE	0.702 J
PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/g	NE	NE	NE	11.7 J
PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/g	NE	NE	NE	2.1
PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/g	NE	NE	NE	3.88 J
PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/g	NE	NE	NE	2.23
Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/g	10	NE	NE	2.2 J
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/kg	135	NE	NE	2,100 J
TOC	TOTAL ORGANIC CARBON	SW9060	%	NE	NE	NE	1.12
TPH	PHC AS DIESEL FUEL	NWTPH-Dx	mg/kg	91	NE	NE	180 J
TPH	Residual Range Organics (C25-C36)	NWTPH-Dx	mg/kg	NE	NE	NE	1,300
Tributyltin	Tributyltin Hydride	ALS SOP	µg/kg	3,080	NE	NE	0.54 U
TSS	SOLIDS, PERCENT	A2540G	%	NE	NE	NE	74.9
TSS	SOLIDS, PERCENT	E160.3M	%	NE	NE	NE	79
Moisture Content	Water	D2216	%	NE	NE	NE	26.6

Table 3-3 (continued)
City Outfalls - Manual Grab Solids Sample Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Notes:

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

µg/kg = micrograms per liter
mg/kg = milligrams per kilogram
pg/g = picograms per gram
ALS SOP = ALS Environmental standard operating procedure
BaPEq = benzo(a)pyrene equivalent
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CUL = cleanup level
D = The reported result is from a dilution
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethane
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
EPA = U.S. Environmental Protection Agency
J = estimated value
MDL = method detection limit
NE = none established
ND = non-detect
NWTPH-Dx = Northwest total petroluem hydrocarbons method - diesel range
O/P = organochlorine pesticides
PAHs = carcinogenic polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
PCDD = polychlorinated dibenzo-p-dioxin
PCDF = polychlorinated dibenzofuran
PHC = petroleum hydrocarbons
PQL = practical quantitation limit
PTW = principal threat waste threshold
RAL = remedial action level
SIM = selected ion monitoring
sVOC = semivolatile organic compound
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TOC = total organic carbon
TPH = total petroleum hydocarbons
TSS = total suspended solids
U = analyte not detected above laboratory reporting limit

Table 3-4
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	1,160	1,160	225	NA	µg/L	0.00000516	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	722	998	225	NA	µg/L	0.00000444	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	749	2,030	225	NA	µg/L	0.00000902	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	3,030	225	0.031	ng/L	0.0135	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	381	381	225	NA	µg/L	0.00000169	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	388	3,210	225	NA	µg/L	0.0000143	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	3,400	225	0.018	ng/L	0.0151	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	1,410	1,410	225	NA	µg/L	0.00000627	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	1,670	3,160	225	NA	µg/L	0.0000140	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	3,870	225	0.022	ng/L	0.0172	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	10,300	225	10	ng/L	0.0458	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	11.4	11.4	225	NA	µg/L	0.0000000507	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	5.86	5.86	225	NA	µg/L	0.0000000260	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	10.1	449	225	NA	µg/L	0.00000200	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5.43	5.43	225	NA	µg/L	0.0000000241	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5.98	5.98	225	NA	µg/L	0.0000000266	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	88	88	225	NA	µg/L	0.000000391	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	8.72	13,700	225	NA	µg/L	0.0000609	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	7.36	5,730	225	NA	µg/L	0.0000255	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	9.44	9.44	225	NA	µg/L	0.0000000420	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	9.09	1,220	225	NA	µg/L	0.00000542	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	11	11	225	NA	µg/L	0.0000000489	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	9.94	9.94	225	NA	µg/L	0.0000000442	UJ
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5.35	141	225	NA	µg/L	0.000000627	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	9.84	9.84	225	NA	µg/L	0.0000000437	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10.9	10.9	225	NA	µg/L	0.0000000484	UJ
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10.8	10.8	225	NA	µg/L	0.0000000480	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	51	962	225	NA	µg/L	0.00000428	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	39.9	272	225	NA	µg/L	0.00000121	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	39.6	39.6	225	NA	µg/L	0.000000176	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	36.1	960	225	NA	µg/L	0.00000427	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	36.5	479	225	NA	µg/L	0.00000213	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	39.9	46.6	225	NA	µg/L	0.000000207	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	9.49	89.5	225	NA	µg/L	0.000000398	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	12.5	137	225	NA	µg/L	0.000000609	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	8.15	269	225	NA	µg/L	0.00000120	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	32.2	1,710	225	NA	µg/L	0.00000760	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	32.6	40.8	225	NA	µg/L	0.000000181	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	35	35	225	NA	µg/L	0.000000156	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	36.3	463	225	NA	µg/L	0.00000206	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	8.96	8.96	225	NA	µg/L	0.0000000398	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	39.7	151	225	NA	µg/L	0.000000671	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	32	1,050	225	NA	µg/L	0.00000467	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	7.87	7.87	225	NA	µg/L	0.0000000350	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	9.09	9.09	225	NA	µg/L	0.0000000404	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	106	106	225	NA	µg/L	0.000000471	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	33.5	152	225	NA	µg/L	0.000000676	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	30.7	30.7	225	NA	µg/L	0.000000136	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	26.7	26.7	225	NA	µg/L	0.000000119	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	87.5	595	225	NA	µg/L	0.00000264	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	17.9	222	225	NA	µg/L	0.000000987	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	14.1	3,160	225	NA	µg/L	0.0000140	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	15.8	1,200	225	NA	µg/L	0.00000533	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	16.7	44	225	NA	µg/L	0.000000196	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	14.4	58.5	225	NA	µg/L	0.000000260	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	14.6	1,510	225	NA	µg/L	0.00000671	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20.4	238	225	NA	µg/L	0.00000106	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	9.68	501	225	NA	µg/L	0.00000223	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	16.8	105	225	NA	µg/L	0.000000467	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	13.9	45.3	225	NA	µg/L	0.000000201	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	15.5	709	225	NA	µg/L	0.00000315	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	12.6	577	225	NA	µg/L	0.00000256	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	14	16.1	225	NA	µg/L	0.0000000716	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	16.4	16.4	225	NA	µg/L	0.0000000729	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	14.8	167	225	NA	µg/L	0.000000742	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	14.8	14.8	225	NA	µg/L	0.0000000658	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	13.4	3,060	225	NA	µg/L	0.0000136	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	14.8	14.8	225	NA	µg/L	0.0000000658	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	13.4	3,060	225	NA	µg/L	0.0000136	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	8.58	8.58	225	NA	µg/L	0.0000000381	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	9.06	22.2	225	NA	µg/L	0.0000000987	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	8.16	8.16	225	NA	µg/L	0.0000000363	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	11.3	2,570	225	NA	µg/L	0.0000114	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	14.1	71.5	225	NA	µg/L	0.000000318	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	7.95	7.95	225	NA	µg/L	0.0000000353	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	158	360	225	NA	µg/L	0.00000160	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10.8	294	225	NA	µg/L	0.00000131	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	65.8	65.8	225	NA	µg/L	0.000000292	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	78.7	78.7	225	NA	µg/L	0.000000350	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	12.4	38.1	225	NA	µg/L	0.000000169	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10.3	18.6	225	NA	µg/L	0.0000000827	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	9.97	224	225	NA	µg/L	0.000000996	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	12	12	225	NA	µg/L	0.0000000533	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	167	167	225	NA	µg/L	0.000000742	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	5.92	106	225	NA	µg/L	0.000000471	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	86	361	225	NA	µg/L	0.00000160	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	112	294	225	NA	µg/L	0.00000131	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	62.3	62.3	225	NA	µg/L	0.000000277	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	59.8	66.6	225	NA	µg/L	0.000000296	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	72.8	1,680	225	NA	µg/L	0.00000747	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	126	601	225	NA	µg/L	0.00000267	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	45.4	196	225	NA	µg/L	0.000000871	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	129	155	225	NA	µg/L	0.000000689	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	33.3	33.3	225	NA	µg/L	0.000000148	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	39.1	325	225	NA	µg/L	0.00000144	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	32.5	39.1	225	NA	µg/L	0.000000174	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	35.4	46	225	NA	µg/L	0.000000204	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	32.3	91.2	225	NA	µg/L	0.000000405	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	36.1	229	225	NA	µg/L	0.00000102	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	30.9	30.9	225	NA	µg/L	0.000000137	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	113	113	225	NA	µg/L	0.000000502	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	76.5	113	225	NA	µg/L	0.000000502	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	53.4	213	225	NA	µg/L	0.000000947	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	71.5	153	225	NA	µg/L	0.000000680	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	63	847	225	NA	µg/L	0.00000376	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	44.2	334	225	NA	µg/L	0.00000148	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	42.1	1,900	225	NA	µg/L	0.00000844	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	46.4	3,040	225	NA	µg/L	0.0000135	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	51.9	19.1	225	NA	µg/L	0.0000000849	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	54	54	225	NA	µg/L	0.000000240	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	52.6	20.2	225	NA	µg/L	0.0000000898	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	57.6	951	225	NA	µg/L	0.00000423	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	56.6	698	225	NA	µg/L	0.00000310	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	63.4	44.8	225	NA	µg/L	0.000000199	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	55.8	202	225	NA	µg/L	0.000000898	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	53.8	4,160	225	NA	µg/L	0.0000185	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	4.74	87.8	225	NA	µg/L	0.000000390	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	36.4	879	225	NA	µg/L	0.00000391	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	41.4	70.8	225	NA	µg/L	0.000000315	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	51.6	322	225	NA	µg/L	0.00000143	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	4.69	10.5	225	NA	µg/L	0.0000000467	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	39.3	813	225	NA	µg/L	0.00000361	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	36.5	76.9	225	NA	µg/L	0.000000342	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	36.1	36.1	225	NA	µg/L	0.000000160	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	46.6	46.6	225	NA	µg/L	0.000000207	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	33.7	150	225	NA	µg/L	0.000000667	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	30.6	2,420	225	NA	µg/L	0.0000108	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	38.3	38.3	225	NA	µg/L	0.000000170	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	33.3	33.3	225	NA	µg/L	0.000000148	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	37.4	37.4	225	NA	µg/L	0.000000166	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	36.2	36.2	225	NA	µg/L	0.000000161	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	33.2	1,700	225	NA	µg/L	0.00000756	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	37.5	37.5	225	NA	µg/L	0.000000167	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	30.3	30.3	225	NA	µg/L	0.000000135	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	40	40	225	NA	µg/L	0.000000178	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	34.7	8.12	225	NA	µg/L	0.0000000361	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	46	46	225	NA	µg/L	0.000000204	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	37.5	37.5	225	NA	µg/L	0.000000167	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	34.3	1,370	225	NA	µg/L	0.00000609	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	23.8	30,300	225	NA	µg/L	0.000135	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	17.5	805	225	NA	µg/L	0.00000358	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	22.7	347	225	NA	µg/L	0.00000154	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	25.7	81.9	225	NA	µg/L	0.000000364	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	17.2	3,700	225	NA	µg/L	0.0000164	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	19.2	24	225	NA	µg/L	0.000000107	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	24.2	274	225	NA	µg/L	0.00000122	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	25.8	25.8	225	NA	µg/L	0.000000115	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	16.9	4,010	225	NA	µg/L	0.0000178	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20.3	176	225	NA	µg/L	0.000000782	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	17.8	2,540	225	NA	µg/L	0.0000113	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	19.1	8,060	225	NA	µg/L	0.0000358	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	17.4	5,110	225	NA	µg/L	0.0000227	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10.1	1,460	225	NA	µg/L	0.00000649	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	34.2	296	225	NA	µg/L	0.00000132	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	33.1	33.1	225	NA	µg/L	0.000000147	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	32.3	85.8	225	NA	µg/L	0.000000381	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	35.9	35.9	225	NA	µg/L	0.000000160	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	15	142	225	NA	µg/L	0.000000631	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	40.8	168	225	NA	µg/L	0.000000747	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	33.9	636	225	NA	µg/L	0.00000283	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	39.6	27	225	NA	µg/L	0.000000120	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	36.4	255	225	NA	µg/L	0.00000113	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	31.8	32.1	225	NA	µg/L	0.000000143	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	15.1	452	225	NA	µg/L	0.00000201	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	34.8	23.8	225	NA	µg/L	0.000000106	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	14.1	110	225	NA	µg/L	0.000000489	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	37.2	132	225	NA	µg/L	0.000000587	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	30.8	30.8	225	NA	µg/L	0.000000137	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	35.7	35.7	225	NA	µg/L	0.000000159	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	34.1	34.1	225	NA	µg/L	0.000000152	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	35.3	35.3	225	NA	µg/L	0.000000157	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	48.7	6,780	225	NA	µg/L	0.0000301	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	102	15,900	225	NA	µg/L	0.0000707	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	32.8	19,100	225	NA	µg/L	0.0000849	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	15.5	15,600	225	NA	µg/L	0.0000693	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	13.9	171	225	NA	µg/L	0.000000760	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	13.2	969	225	NA	µg/L	0.00000431	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	8.94	825	225	NA	µg/L	0.00000367	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	12.8	5,890	225	NA	µg/L	0.0000262	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	17.6	964	225	NA	µg/L	0.00000428	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	16.8	262	225	NA	µg/L	0.00000116	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	18.2	482	225	NA	µg/L	0.00000214	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	15.8	289	225	NA	µg/L	0.00000128	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	19.1	19.1	225	NA	µg/L	0.0000000849	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	19.3	19.3	225	NA	µg/L	0.0000000858	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	18.7	274	225	NA	µg/L	0.00000122	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	8.97	8.97	225	NA	µg/L	0.0000000399	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	9.24	481	225	NA	µg/L	0.00000214	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	16.5	760	225	NA	µg/L	0.00000338	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	8.47	3,690	225	NA	µg/L	0.0000164	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	18.1	216	225	NA	µg/L	0.000000960	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	16.1	69.9	225	NA	µg/L	0.000000311	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	18.3	273	225	NA	µg/L	0.00000121	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	17.2	17.2	225	NA	µg/L	0.0000000764	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	17.6	17.6	225	NA	µg/L	0.0000000782	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	98,300	225	6.4	pg/L	437	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	3.83	232	225	NA	µg/L	0.00000103	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.97	859	225	NA	µg/L	0.00000382	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	4.7	16.4	225	NA	µg/L	0.0000000729	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	2.56	13.8	225	NA	µg/L	0.0000000613	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.57	23.5	225	NA	µg/L	0.000000104	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	2.78	12.5	225	NA	µg/L	0.0000000556	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.21	41.8	225	NA	µg/L	0.000000186	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	2.95	2.95	225	NA	µg/L	0.0000000131	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.12	36.4	225	NA	µg/L	0.000000162	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.55	1.55	225	NA	µg/L	0.000000007	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	6.35	11.2	225	NA	µg/L	0.0000000498	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	2.88	18.8	225	NA	µg/L	0.0000000836	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.56	6.11	225	NA	µg/L	0.0000000272	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.88	2.88	225	NA	µg/L	0.0000000128	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	4.08	4.08	225	NA	µg/L	0.0000000181	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.97	1,550	225	NA	µg/L	0.00000689	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	2.78	305	225	NA	µg/L	0.00000136	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	2.29	298	225	NA	µg/L	0.00000132	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	4.45	473	225	NA	µg/L	0.00000210	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	14	6,400	225	NA	µg/L	0.0000284	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.55	88.3	225	NA	µg/L	0.000000392	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	6.35	11.2	225	NA	µg/L	0.0000000498	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	2.88	34.1	225	NA	µg/L	0.000000152	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	4.08	4.08	225	NA	µg/L	0.0000000181	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	4.24	538	225	NA	µg/L	0.00000239	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	43.2	225	0.00051	pg/L	0.192	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	241.5	NA	µg/L	0.00000414	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	1,360	241.5	NA	µg/L	0.00000563	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	2,780	241.5	NA	µg/L	0.0000115	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	4,140	241.5	0.031	ng/L	0.0171	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	241.5	NA	µg/L	0.00000414	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	3,010	241.5	NA	µg/L	0.0000125	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	3,510	241.5	0.018	ng/L	0.0145	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	3,240	241.5	NA	µg/L	0.0000134	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	12,100	241.5	NA	µg/L	0.0000501	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	15,300	241.5	0.022	ng/L	0.0634	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	23,000	241.5	10	ng/L	0.0952	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	27.3	241.5	NA	µg/L	0.000000113	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	448	241.5	NA	µg/L	0.00000186	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	11,200	241.5	NA	µg/L	0.0000464	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	4,880	241.5	NA	µg/L	0.0000202	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	110	241.5	NA	µg/L	0.000000455	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	890	241.5	NA	µg/L	0.00000369	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	271	241.5	NA	µg/L	0.00000112	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	757	241.5	NA	µg/L	0.00000313	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	473	241.5	NA	µg/L	0.00000196	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	1,730	241.5	NA	µg/L	0.00000716	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	400	241.5	NA	µg/L	0.00000166	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	873	241.5	NA	µg/L	0.00000361	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	651	241.5	NA	µg/L	0.00000270	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	304	241.5	NA	µg/L	0.00000126	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	4,010	241.5	NA	µg/L	0.0000166	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	68.6	241.5	NA	µg/L	0.000000284	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	241.5	NA	µg/L	0.000000166	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	143	241.5	NA	µg/L	0.000000592	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	496	241.5	NA	µg/L	0.00000205	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	85.3	241.5	NA	µg/L	0.000000353	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	372	241.5	NA	µg/L	0.00000154	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	354	241.5	NA	µg/L	0.00000147	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	16.6	241.5	NA	µg/L	0.0000000687	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	20	283	241.5	NA	µg/L	0.00000117	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	212	241.5	NA	µg/L	0.000000878	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	1,410	241.5	NA	µg/L	0.00000584	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	396	241.5	NA	µg/L	0.00000164	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	178	241.5	NA	µg/L	0.000000737	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	148	241.5	NA	µg/L	0.000000613	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	420	241.5	NA	µg/L	0.00000174	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	265	241.5	NA	µg/L	0.00000110	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	178	241.5	NA	µg/L	0.000000737	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	241.5	NA	µg/L	0.000000414	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	165	241.5	NA	µg/L	0.000000683	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	247	241.5	NA	µg/L	0.00000102	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	21.7	241.5	NA	µg/L	0.0000000899	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	241.5	NA	µg/L	0.000000166	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	241.5	NA	µg/L	0.000000331	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	17,500	241.5	NA	µg/L	0.0000725	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	1,080	241.5	NA	µg/L	0.00000447	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	4,420	241.5	NA	µg/L	0.0000183	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	1,110	241.5	NA	µg/L	0.00000460	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	72.5	241.5	NA	µg/L	0.000000300	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	177	241.5	NA	µg/L	0.000000733	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	5,990	241.5	NA	µg/L	0.0000248	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	16,800	241.5	NA	µg/L	0.0000696	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	17,300	241.5	NA	µg/L	0.0000716	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	12,400	241.5	NA	µg/L	0.0000513	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	4,020	241.5	NA	µg/L	0.0000166	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	2,060	241.5	NA	µg/L	0.00000853	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	34,300	241.5	6.4	pg/L	142	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	77.4	241.5	NA	µg/L	0.000000320	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	652	241.5	NA	µg/L	0.00000270	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	5	241.5	NA	µg/L	0.0000000207	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	11	241.5	NA	µg/L	0.0000000455	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	5.52	241.5	NA	µg/L	0.0000000229	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	17.1	241.5	NA	µg/L	0.0000000708	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	13.4	241.5	NA	µg/L	0.0000000555	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	5.53	241.5	NA	µg/L	0.0000000229	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	7.88	241.5	NA	µg/L	0.0000000326	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	3.54	241.5	NA	µg/L	0.0000000147	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	1,330	241.5	NA	µg/L	0.00000551	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	108	241.5	NA	µg/L	0.000000447	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	155	241.5	NA	µg/L	0.000000642	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	171	241.5	NA	µg/L	0.000000708	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	6,220	241.5	NA	µg/L	0.0000258	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	49.2	241.5	NA	µg/L	0.000000204	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	16.6	241.5	NA	µg/L	0.0000000687	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	173	241.5	NA	µg/L	0.000000716	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	26.3	241.5	0.00051	pg/L	0.109	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	1000	1000	208.5	NA	µg/L	0.00000480	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	209	208.5	NA	µg/L	0.00000100	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	437	208.5	NA	µg/L	0.00000210	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	646	208.5	0.031	ng/L	0.00310	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	208.5	NA	µg/L	0.00000480	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	1000	456	208.5	NA	µg/L	0.00000219	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	956	208.5	0.018	ng/L	0.00459	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	2,000	208.5	NA	µg/L	0.00000959	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	547	208.5	NA	µg/L	0.00000262	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	1,550	208.5	0.022	ng/L	0.00743	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	3,150	208.5	10	ng/L	0.0151	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	4.5	4.5	208.5	NA	µg/L	0.0000000216	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	3.11	54	208.5	NA	µg/L	0.000000259	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	4.59	152	208.5	NA	µg/L	0.000000729	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	2.68	7.27	208.5	NA	µg/L	0.0000000349	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3.11	109	208.5	NA	µg/L	0.000000523	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	7.04	28.2	208.5	NA	µg/L	0.000000135	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	4.44	9,200	208.5	NA	µg/L	0.0000441	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	4.3	6,040	208.5	NA	µg/L	0.0000290	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3.71	26.3	208.5	NA	µg/L	0.000000126	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3.53	1,310	208.5	NA	µg/L	0.00000628	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	4.32	9.52	208.5	NA	µg/L	0.0000000457	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3.89	13.2	208.5	NA	µg/L	0.0000000633	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3.02	122	208.5	NA	µg/L	0.000000585	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	4.05	1,520	208.5	NA	µg/L	0.00000729	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	4.46	4.46	208.5	NA	µg/L	0.0000000214	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	4.34	4.34	208.5	NA	µg/L	0.0000000208	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10.4	67.6	208.5	NA	µg/L	0.000000324	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	9.92	22.7	208.5	NA	µg/L	0.000000109	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	9.24	11.9	208.5	NA	µg/L	0.0000000571	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	8.5	60.5	208.5	NA	µg/L	0.000000290	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	8.78	37.9	208.5	NA	µg/L	0.000000182	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	9.45	9.45	208.5	NA	µg/L	0.0000000453	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	2.47	5.89	208.5	NA	µg/L	0.0000000282	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3.14	13.7	208.5	NA	µg/L	0.0000000657	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	2.17	17.3	208.5	NA	µg/L	0.0000000830	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	8.03	146	208.5	NA	µg/L	0.000000700	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	7.93	7.93	208.5	NA	µg/L	0.0000000380	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	8.4	8.4	208.5	NA	µg/L	0.0000000403	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	8.85	36.1	208.5	NA	µg/L	0.000000173	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	2.35	2.35	208.5	NA	µg/L	0.0000000113	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	9.9	9.9	208.5	NA	µg/L	0.0000000475	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	7.68	87.1	208.5	NA	µg/L	0.000000418	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	2.07	2.07	208.5	NA	µg/L	0.000000010	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	2.52	2.52	208.5	NA	µg/L	0.0000000121	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	15.7	15.7	208.5	NA	µg/L	0.0000000753	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	7.67	10.8	208.5	NA	µg/L	0.0000000518	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	7.47	7.47	208.5	NA	µg/L	0.0000000358	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	6.56	6.56	208.5	NA	µg/L	0.0000000315	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	15	63.2	208.5	NA	µg/L	0.000000303	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	4.94	27.7	208.5	NA	µg/L	0.000000133	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	4.06	340	208.5	NA	µg/L	0.00000163	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	4.33	106	208.5	NA	µg/L	0.000000508	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	4.5	6.61	208.5	NA	µg/L	0.0000000317	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3.99	3.99	208.5	NA	µg/L	0.0000000191	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	4.18	119	208.5	NA	µg/L	0.000000571	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5.3	21.7	208.5	NA	µg/L	0.000000104	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3.12	47.6	208.5	NA	µg/L	0.000000228	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	4.45	17.7	208.5	NA	µg/L	0.0000000849	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	4.07	8.01	208.5	NA	µg/L	0.0000000384	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	4.39	60.2	208.5	NA	µg/L	0.000000289	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3.59	60.5	208.5	NA	µg/L	0.000000290	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	4.08	4.08	208.5	NA	µg/L	0.0000000196	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	4.51	4.51	208.5	NA	µg/L	0.0000000216	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	4.22	16	208.5	NA	µg/L	0.0000000767	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	4.14	4.14	208.5	NA	µg/L	0.0000000199	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	4	259	208.5	NA	µg/L	0.00000124	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	2.74	2.74	208.5	NA	µg/L	0.0000000131	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3	3	208.5	NA	µg/L	0.0000000144	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	2.57	2.57	208.5	NA	µg/L	0.0000000123	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3.33	240	208.5	NA	µg/L	0.00000115	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3.96	9.43	208.5	NA	µg/L	0.0000000452	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	2.86	2.86	208.5	NA	µg/L	0.0000000137	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	21	54.8	208.5	NA	µg/L	0.000000263	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3.14	31.8	208.5	NA	µg/L	0.000000153	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	11.5	11.5	208.5	NA	µg/L	0.0000000552	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	13.5	13.5	208.5	NA	µg/L	0.0000000647	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3.53	3.53	208.5	NA	µg/L	0.0000000169	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3	3	208.5	NA	µg/L	0.0000000144	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	3.08	16.8	208.5	NA	µg/L	0.0000000806	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3.5	3.5	208.5	NA	µg/L	0.0000000168	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	38.8	38.8	208.5	NA	µg/L	0.000000186	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	3.11	170	208.5	NA	µg/L	0.000000815	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	21.8	18.5	208.5	NA	µg/L	0.0000000887	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	28.5	28.5	208.5	NA	µg/L	0.000000137	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	14	14	208.5	NA	µg/L	0.0000000671	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	15.1	18.5	208.5	NA	µg/L	0.0000000887	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	15.8	143	208.5	NA	µg/L	0.000000686	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	21.3	31.9	208.5	NA	µg/L	0.000000153	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	13.7	18.2	208.5	NA	µg/L	0.0000000873	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	22.4	22.4	208.5	NA	µg/L	0.000000107	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10.6	10.6	208.5	NA	µg/L	0.0000000508	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	12.5	41.9	208.5	NA	µg/L	0.000000201	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10.8	10.8	208.5	NA	µg/L	0.0000000518	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	11.5	14.1	208.5	NA	µg/L	0.0000000676	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	11.3	15	208.5	NA	µg/L	0.0000000719	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	11.2	21.9	208.5	NA	µg/L	0.000000105	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	9.98	9.98	208.5	NA	µg/L	0.0000000479	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20.4	20.4	208.5	NA	µg/L	0.0000000978	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	14.3	19.1	208.5	NA	µg/L	0.0000000916	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	8.06	33.5	208.5	NA	µg/L	0.0000000161	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	9.19	30	208.5	NA	µg/L	0.000000144	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	9.41	97.9	208.5	NA	µg/L	0.000000470	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	7.47	7.47	208.5	NA	µg/L	0.0000000358	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	6.91	272	208.5	NA	µg/L	0.00000130	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	7.41	346	208.5	NA	µg/L	0.00000166	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	7.82	7.82	208.5	NA	µg/L	0.0000000375	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	9.74	120	208.5	NA	µg/L	0.000000576	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	7.92	7.92	208.5	NA	µg/L	0.0000000380	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	7.37	7.37	208.5	NA	µg/L	0.0000000353	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	8.33	75	208.5	NA	µg/L	0.000000360	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	9.26	9.26	208.5	NA	µg/L	0.0000000444	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	8.72	34.7	208.5	NA	µg/L	0.000000166	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	8.21	392	208.5	NA	µg/L	0.00000188	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	2.09	14.1	208.5	NA	µg/L	0.0000000676	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	6.47	120	208.5	NA	µg/L	0.000000576	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	6.41	9.88	208.5	NA	µg/L	0.0000000474	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	7.85	42.4	208.5	NA	µg/L	0.000000203	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	2.09	4.65	208.5	NA	µg/L	0.0000000223	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	6.44	121	208.5	NA	µg/L	0.000000580	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	6.14	13.4	208.5	NA	µg/L	0.0000000643	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5.55	5.55	208.5	NA	µg/L	0.0000000266	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	6.92	6.92	208.5	NA	µg/L	0.0000000332	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5.37	20.7	208.5	NA	µg/L	0.0000000993	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5.5	335	208.5	NA	µg/L	0.00000161	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5.96	5.96	208.5	NA	µg/L	0.0000000286	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5.17	5.17	208.5	NA	µg/L	0.0000000248	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	6.23	8.75	208.5	NA	µg/L	0.0000000420	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	6.1	6.1	208.5	NA	µg/L	0.0000000293	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	6.15	249	208.5	NA	µg/L	0.00000119	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5.31	5.31	208.5	NA	µg/L	0.0000000255	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5.04	5.04	208.5	NA	µg/L	0.0000000242	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	6.18	9.31	208.5	NA	µg/L	0.0000000447	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5.45	5.45	208.5	NA	µg/L	0.0000000261	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	17.3	17.3	208.5	NA	µg/L	0.0000000830	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5.81	5.81	208.5	NA	µg/L	0.0000000279	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	11.6	246	208.5	NA	µg/L	0.00000118	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	8.28	5,050	208.5	NA	µg/L	0.0000242	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	4.62	137	208.5	NA	µg/L	0.000000657	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5.45	56.4	208.5	NA	µg/L	0.000000271	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	6.73	15.1	208.5	NA	µg/L	0.0000000724	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	4.57	542	208.5	NA	µg/L	0.00000260	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	4.71	5.15	208.5	NA	µg/L	0.0000000247	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5.81	52.2	208.5	NA	µg/L	0.000000250	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	6.46	6.46	208.5	NA	µg/L	0.0000000310	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	4.39	644	208.5	NA	µg/L	0.00000309	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5.04	26	208.5	NA	µg/L	0.000000125	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	4.33	347	208.5	NA	µg/L	0.00000166	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	4.87	1,450	208.5	NA	µg/L	0.00000695	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	4.44	774	208.5	NA	µg/L	0.00000371	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	2.25	360	208.5	NA	µg/L	0.00000173	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	11.3	46.7	208.5	NA	µg/L	0.000000224	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10.8	10.8	208.5	NA	µg/L	0.0000000518	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10.3	10.3	208.5	NA	µg/L	0.0000000494	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	11.6	11.6	208.5	NA	µg/L	0.0000000556	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	4.09	29.8	208.5	NA	µg/L	0.000000143	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	13.1	25.2	208.5	NA	µg/L	0.000000121	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10.7	98.1	208.5	NA	µg/L	0.000000471	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	12.4	12.4	208.5	NA	µg/L	0.0000000595	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	11.8	36.6	208.5	NA	µg/L	0.000000176	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10.2	10.2	208.5	NA	µg/L	0.0000000489	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3.87	81.3	208.5	NA	µg/L	0.000000390	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	11.1	11.1	208.5	NA	µg/L	0.0000000532	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3.76	26.1	208.5	NA	µg/L	0.000000125	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	16.4	37.3	208.5	NA	µg/L	0.000000179	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	9.9	9.9	208.5	NA	µg/L	0.0000000475	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	11.9	11.9	208.5	NA	µg/L	0.0000000571	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	11	11	208.5	NA	µg/L	0.0000000528	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	13.5	13.5	208.5	NA	µg/L	0.0000000647	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	9.22	517	208.5	NA	µg/L	0.00000248	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	19.2	1,520	208.5	NA	µg/L	0.00000729	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	7.39	2,400	208.5	NA	µg/L	0.0000115	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	3.99	5,450	208.5	NA	µg/L	0.0000261	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3.98	45.2	208.5	NA	µg/L	0.000000217	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3.92	318	208.5	NA	µg/L	0.00000153	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	2.86	351	208.5	NA	µg/L	0.00000168	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3.95	2,440	208.5	NA	µg/L	0.0000117	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3.89	161	208.5	NA	µg/L	0.000000772	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3.67	37.3	208.5	NA	µg/L	0.000000179	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3.95	84.3	208.5	NA	µg/L	0.000000404	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3.41	64.5	208.5	NA	µg/L	0.000000309	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	4.13	4.13	208.5	NA	µg/L	0.0000000198	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	4.19	4.19	208.5	NA	µg/L	0.0000000201	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	4.15	54.1	208.5	NA	µg/L	0.000000259	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	2.97	2.97	208.5	NA	µg/L	0.0000000142	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	2.92	209	208.5	NA	µg/L	0.00000100	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3.54	130	208.5	NA	µg/L	0.000000624	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	2.64	1,460	208.5	NA	µg/L	0.00000700	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	4.1	46.1	208.5	NA	µg/L	0.000000221	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3.45	19.2	208.5	NA	µg/L	0.0000000921	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	4.02	34.3	208.5	NA	µg/L	0.000000165	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3.82	3.82	208.5	NA	µg/L	0.0000000183	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3.81	3.81	208.5	NA	µg/L	0.0000000183	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	24,700	208.5	6.4	pg/L	118	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.93	12.5	208.5	NA	µg/L	0.0000000600	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.84	69	208.5	NA	µg/L	0.000000331	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	3.23	3.23	208.5	NA	µg/L	0.0000000155	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.17	1.17	208.5	NA	µg/L	0.000000006	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	1.43	1.43	208.5	NA	µg/L	0.000000007	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.2	1.2	208.5	NA	µg/L	0.000000006	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.46	3.24	208.5	NA	µg/L	0.0000000155	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.32	2.34	208.5	NA	µg/L	0.0000000112	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.35	1.35	208.5	NA	µg/L	0.000000006	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.22	1.22	208.5	NA	µg/L	0.000000006	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	1.56	1.56	208.5	NA	µg/L	0.000000007	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.17	2.15	208.5	NA	µg/L	0.0000000103	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.32	1.32	208.5	NA	µg/L	0.000000006	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.45	1.45	208.5	NA	µg/L	0.000000007	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	1.89	1.89	208.5	NA	µg/L	0.000000009	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.07	29.7	208.5	NA	µg/L	0.000000142	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.84	122	208.5	NA	µg/L	0.000000585	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.21	16.9	208.5	NA	µg/L	0.0000000811	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.41	22.4	208.5	NA	µg/L	0.000000107	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.71	26.4	208.5	NA	µg/L	0.000000127	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3.98	504	208.5	NA	µg/L	0.00000242	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.27	1.27	208.5	NA	µg/L	0.000000006	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.56	1.56	208.5	NA	µg/L	0.000000007	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.89	1.89	208.5	NA	µg/L	0.000000009	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	1.45	1.45	208.5	NA	µg/L	0.000000007	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	4	208.5	0.00051	pg/L	0.0192	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	1,180	3,430	270	NA	µg/L	0.0000127	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	694	5,020	270	NA	µg/L	0.0000186	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	815	6,530	270	NA	µg/L	0.0000242	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	11,600	270	0.031	ng/L	0.0430	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	439	4,450	270	NA	µg/L	0.0000165	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	553	13,200	270	NA	µg/L	0.0000489	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	17,700	270	0.018	ng/L	0.0656	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	1,680	9,700	270	NA	µg/L	0.0000359	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	2,010	19,100	270	NA	µg/L	0.0000707	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	28,800	270	0.022	ng/L	0.107	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	58,000	270	10	ng/L	0.215	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	3.93	15.7	270	NA	µg/L	0.0000000581	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	4.57	4.57	270	NA	µg/L	0.0000000169	UJ
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	3.49	520	270	NA	µg/L	0.00000193	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3.84	3.84	270	NA	µg/L	0.0000000142	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	4.36	4.36	270	NA	µg/L	0.0000000161	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	33.3	518	270	NA	µg/L	0.00000192	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	3.13	25,000	270	NA	µg/L	0.0000926	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	2.78	223	270	NA	µg/L	0.000000826	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3.3	143	270	NA	µg/L	0.000000530	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3.23	492	270	NA	µg/L	0.00000182	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3.85	3.85	270	NA	µg/L	0.0000000143	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3.5	46.5	270	NA	µg/L	0.000000172	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	1.99	12.7	270	NA	µg/L	0.0000000470	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3.35	23,400	270	NA	µg/L	0.0000867	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3.79	161	270	NA	µg/L	0.000000596	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3.77	3.77	270	NA	µg/L	0.0000000140	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	85.1	7,450	270	NA	µg/L	0.0000276	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	76.6	2,210	270	NA	µg/L	0.00000819	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	76.6	1,210	270	NA	µg/L	0.00000448	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	67.9	8,020	270	NA	µg/L	0.0000297	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	69.3	3,870	270	NA	µg/L	0.0000143	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	72.5	265	270	NA	µg/L	0.000000981	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	6.65	677	270	NA	µg/L	0.00000251	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	8.85	870	270	NA	µg/L	0.00000322	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5.75	1,540	270	NA	µg/L	0.00000570	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	64.6	15,500	270	NA	µg/L	0.0000574	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	60.8	395	270	NA	µg/L	0.00000146	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	67.4	67.4	270	NA	µg/L	0.000000250	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	64.2	64.2	270	NA	µg/L	0.000000238	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	6.22	6.22	270	NA	µg/L	0.0000000230	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	83	5,020	270	NA	µg/L	0.0000186	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	59.5	7,060	270	NA	µg/L	0.0000261	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5.73	5.73	270	NA	µg/L	0.0000000212	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	6.42	6.42	270	NA	µg/L	0.0000000238	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	91.6	227	270	NA	µg/L	0.000000841	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	62.1	1,520	270	NA	µg/L	0.00000563	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	62.2	362	270	NA	µg/L	0.00000134	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	54.1	54.1	270	NA	µg/L	0.000000200	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	252	2,570	270	NA	µg/L	0.00000952	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	13.3	1,100	270	NA	µg/L	0.00000407	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10.4	18,900	270	NA	µg/L	0.0000700	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	11.5	6,770	270	NA	µg/L	0.0000251	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	11.9	212	270	NA	µg/L	0.000000785	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10.4	177	270	NA	µg/L	0.000000656	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10.4	6,970	270	NA	µg/L	0.0000258	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	12.2	1,860	270	NA	µg/L	0.00000689	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	2.67	1,570	270	NA	µg/L	0.00000581	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	12.1	551	270	NA	µg/L	0.00000204	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	9.98	207	270	NA	µg/L	0.000000767	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	11.2	6,220	270	NA	µg/L	0.0000230	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	8.87	1,640	270	NA	µg/L	0.00000607	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	11.5	11.5	270	NA	µg/L	0.0000000426	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	12.3	12.3	270	NA	µg/L	0.0000000456	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10.8	1,130	270	NA	µg/L	0.00000419	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10.5	10.5	270	NA	µg/L	0.0000000389	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	9.53	15,300	270	NA	µg/L	0.0000567	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	2.35	2.35	270	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	2.55	2.55	270	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	2.19	2.19	270	NA	µg/L	0.000000008	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	8.18	12,800	270	NA	µg/L	0.0000474	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10	512	270	NA	µg/L	0.00000190	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	2.22	2.22	270	NA	µg/L	0.000000008	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	304	2,030	270	NA	µg/L	0.00000752	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	8.01	1,790	270	NA	µg/L	0.00000663	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	194	194	270	NA	µg/L	0.000000719	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	233	233	270	NA	µg/L	0.000000863	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	8.55	8.55	270	NA	µg/L	0.0000000317	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	7.5	460	270	NA	µg/L	0.00000170	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	7.55	1,220	270	NA	µg/L	0.00000452	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	8.84	8.84	270	NA	µg/L	0.0000000327	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	239	239	270	NA	µg/L	0.000000885	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	4.46	201	270	NA	µg/L	0.000000744	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	44.3	3,750	270	NA	µg/L	0.0000139	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	54.5	2,710	270	NA	µg/L	0.0000100	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	36.8	315	270	NA	µg/L	0.00000117	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	34.2	734	270	NA	µg/L	0.00000272	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	50.7	12,000	270	NA	µg/L	0.0000444	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	91.5	2,880	270	NA	µg/L	0.0000107	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	24.5	968	270	NA	µg/L	0.00000359	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	87.7	954	270	NA	µg/L	0.00000353	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	15.4	129	270	NA	µg/L	0.000000478	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	19.7	3,270	270	NA	µg/L	0.0000121	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	16	339	270	NA	µg/L	0.00000126	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	16.4	451	270	NA	µg/L	0.00000167	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	14.7	652	270	NA	µg/L	0.00000241	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	18.6	2,220	270	NA	µg/L	0.00000822	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	14.7	652	270	NA	µg/L	0.00000241	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	18.6	2,220	270	NA	µg/L	0.00000822	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	14.6	14.6	270	NA	µg/L	0.0000000541	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	86.8	116	270	NA	µg/L	0.000000430	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	224	742	270	NA	µg/L	0.00000275	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	71.6	974	270	NA	µg/L	0.00000361	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	85.1	334	270	NA	µg/L	0.00000124	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	84.8	3,020	270	NA	µg/L	0.0000112	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	58.7	983	270	NA	µg/L	0.00000364	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	56.3	13,200	270	NA	µg/L	0.0000489	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	61.7	11,100	270	NA	µg/L	0.0000411	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	69.5	84.5	270	NA	µg/L	0.000000313	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	79.4	1,370	270	NA	µg/L	0.00000507	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	63.6	63.6	270	NA	µg/L	0.000000236	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	69.7	69.7	270	NA	µg/L	0.000000258	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	75	1,910	270	NA	µg/L	0.00000707	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	82.9	82.9	270	NA	µg/L	0.000000307	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	72.5	252	270	NA	µg/L	0.000000933	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	73.5	11,700	270	NA	µg/L	0.0000433	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3.41	22.9	270	NA	µg/L	0.0000000848	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	52.9	2,930	270	NA	µg/L	0.0000109	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	61.4	49.7	270	NA	µg/L	0.000000184	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	68.5	68.5	270	NA	µg/L	0.000000254	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3.41	3.41	270	NA	µg/L	0.0000000126	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	59.8	2,790	270	NA	µg/L	0.0000103	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	49.2	294	270	NA	µg/L	0.00000109	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	48.8	48.8	270	NA	µg/L	0.000000181	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	69.5	69.5	270	NA	µg/L	0.000000257	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	46.7	604	270	NA	µg/L	0.00000224	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	44.1	10,800	270	NA	µg/L	0.0000400	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	50.9	50.9	270	NA	µg/L	0.000000189	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	43.7	43.7	270	NA	µg/L	0.000000162	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	57.1	57.1	270	NA	µg/L	0.000000211	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	50.3	50.3	270	NA	µg/L	0.000000186	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	52.1	6,830	270	NA	µg/L	0.0000253	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	46.6	46.6	270	NA	µg/L	0.000000173	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	41.2	41.2	270	NA	µg/L	0.000000153	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	56.6	144	270	NA	µg/L	0.000000533	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	45.7	45.7	270	NA	µg/L	0.000000169	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	115	115	270	NA	µg/L	0.000000426	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	57.9	57.9	270	NA	µg/L	0.000000214	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	32.3	3,810	270	NA	µg/L	0.0000141	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	23.8	22,900	270	NA	µg/L	0.0000848	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	17.6	1,190	270	NA	µg/L	0.00000441	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	22.2	719	270	NA	µg/L	0.00000266	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	25	330	270	NA	µg/L	0.00000122	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	17	3,450	270	NA	µg/L	0.0000128	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	19.1	82.2	270	NA	µg/L	0.000000304	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	24.1	222	270	NA	µg/L	0.000000822	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	26.3	451	270	NA	µg/L	0.00000167	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	16.4	1,580	270	NA	µg/L	0.00000585	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	19.9	558	270	NA	µg/L	0.00000207	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	17.2	514	270	NA	µg/L	0.00000190	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	18.8	432	270	NA	µg/L	0.00000160	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	17	4,250	270	NA	µg/L	0.0000157	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3.29	3.29	270	NA	µg/L	0.0000000122	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	31.6	730	270	NA	µg/L	0.00000270	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	31.1	65.7	270	NA	µg/L	0.000000243	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	29.9	29.9	270	NA	µg/L	0.000000111	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	33.6	152	270	NA	µg/L	0.000000563	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	14.9	249	270	NA	µg/L	0.000000922	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	38.6	485	270	NA	µg/L	0.00000180	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	31.3	1,520	270	NA	µg/L	0.00000563	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	36.2	68.1	270	NA	µg/L	0.000000252	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	33.9	207	270	NA	µg/L	0.000000767	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	28.8	64.2	270	NA	µg/L	0.000000238	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	15	1,100	270	NA	µg/L	0.00000407	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	32.1	32.1	270	NA	µg/L	0.000000119	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	13.8	13.8	270	NA	µg/L	0.0000000511	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	45.9	505	270	NA	µg/L	0.00000187	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	28.3	110	270	NA	µg/L	0.000000407	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	34.1	30.8	270	NA	µg/L	0.000000114	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	31.8	31.8	270	NA	µg/L	0.000000118	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	33.8	33.8	270	NA	µg/L	0.000000125	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	61.8	56,200	270	NA	µg/L	0.000208	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	192	84,800	270	NA	µg/L	0.000314	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	56.2	69,400	270	NA	µg/L	0.000257	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	8.08	10,800	270	NA	µg/L	0.0000400	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	6.31	340	270	NA	µg/L	0.00000126	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5.88	324	270	NA	µg/L	0.00000120	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	4	581	270	NA	µg/L	0.00000215	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	6.04	68.9	270	NA	µg/L	0.000000255	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	9.46	1,880	270	NA	µg/L	0.00000696	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	9.06	693	270	NA	µg/L	0.00000257	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	9.76	1,210	270	NA	µg/L	0.00000448	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	8.36	147	270	NA	µg/L	0.000000544	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10.3	10.3	270	NA	µg/L	0.0000000381	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10.3	10.3	270	NA	µg/L	0.0000000381	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10.1	402	270	NA	µg/L	0.00000149	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	4.11	15.7	270	NA	µg/L	0.0000000581	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	4.15	56.6	270	NA	µg/L	0.000000210	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	9.02	1,670	270	NA	µg/L	0.00000619	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3.82	198	270	NA	µg/L	0.000000733	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	9.91	2,030	270	NA	µg/L	0.00000752	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	8.56	487	270	NA	µg/L	0.00000180	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10.1	670	270	NA	µg/L	0.00000248	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	9.27	9.27	270	NA	µg/L	0.0000000343	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	9.51	9.51	270	NA	µg/L	0.0000000352	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	286,000	270	6.4	pg/L	1,059	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	7	216	270	NA	µg/L	0.000000800	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.06	934	270	NA	µg/L	0.00000346	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	8.25	16.6	270	NA	µg/L	0.0000000615	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.11	19.7	270	NA	µg/L	0.0000000730	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.06	28	270	NA	µg/L	0.000000104	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.14	14.9	270	NA	µg/L	0.0000000552	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.91	52.5	270	NA	µg/L	0.000000194	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.21	1.21	270	NA	µg/L	0.000000004	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.98	44	270	NA	µg/L	0.000000163	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.98	5.33	270	NA	µg/L	0.0000000197	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.99	14.2	270	NA	µg/L	0.0000000526	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.12	25.3	270	NA	µg/L	0.0000000937	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.88	14.6	270	NA	µg/L	0.0000000541	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.58	7.34	270	NA	µg/L	0.0000000272	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3.7	3.7	270	NA	µg/L	0.0000000137	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	2.06	1,780	270	NA	µg/L	0.00000659	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.14	385	270	NA	µg/L	0.00000143	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	1.98	464	270	NA	µg/L	0.00000172	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.88	397	270	NA	µg/L	0.00000147	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5.82	5,690	270	NA	µg/L	0.0000211	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.93	199	270	NA	µg/L	0.000000737	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.99	121	270	NA	µg/L	0.000000448	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.58	114	270	NA	µg/L	0.000000422	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	3.7	22	270	NA	µg/L	0.0000000815	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	7.59	581	270	NA	µg/L	0.00000215	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	53.3	270	0.00051	pg/L	0.197	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	271.5	NA	µg/L	0.00000368	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	7,540	271.5	NA	µg/L	0.0000278	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	22,000	271.5	NA	µg/L	0.0000810	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	29,500	271.5	0.031	ng/L	0.109	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	4,080	271.5	NA	µg/L	0.0000150	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	18,900	271.5	NA	µg/L	0.0000696	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	23,000	271.5	0.018	ng/L	0.0847	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	31,700	271.5	NA	µg/L	0.000117	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	112,000	271.5	NA	µg/L	0.000413	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	144,000	271.5	0.022	ng/L	0.530	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	196,000	271.5	10	ng/L	0.722	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	120	271.5	NA	µg/L	0.000000442	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	3,390	271.5	NA	µg/L	0.0000125	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	659	271.5	NA	µg/L	0.00000243	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	26,300	271.5	NA	µg/L	0.0000969	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	1,900	271.5	NA	µg/L	0.00000700	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	1,100	271.5	NA	µg/L	0.00000405	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	4,370	271.5	NA	µg/L	0.0000161	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	352	271.5	NA	µg/L	0.00000130	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	87.9	271.5	NA	µg/L	0.000000324	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	602	271.5	NA	µg/L	0.00000222	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	17,000	271.5	NA	µg/L	0.0000626	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	4,010	271.5	NA	µg/L	0.0000148	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	12,300	271.5	NA	µg/L	0.0000453	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	7,030	271.5	NA	µg/L	0.0000259	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	546	271.5	NA	µg/L	0.00000201	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	1,540	271.5	NA	µg/L	0.00000567	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	2,150	271.5	NA	µg/L	0.00000792	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	4,010	271.5	NA	µg/L	0.0000148	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	27,400	271.5	NA	µg/L	0.000101	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	5,880	271.5	NA	µg/L	0.0000217	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	2,280	271.5	NA	µg/L	0.00000840	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	12,400	271.5	NA	µg/L	0.0000457	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	21.6	271.5	NA	µg/L	0.0000000796	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	621	271.5	NA	µg/L	0.00000229	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	1,790	271.5	NA	µg/L	0.00000659	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	4,330	271.5	NA	µg/L	0.0000159	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	1,750	271.5	NA	µg/L	0.00000645	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	35,000	271.5	NA	µg/L	0.000129	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	9,690	271.5	NA	µg/L	0.0000357	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	198	271.5	NA	µg/L	0.000000729	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	8,380	271.5	NA	µg/L	0.0000309	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	1,500	271.5	NA	µg/L	0.00000552	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	3,350	271.5	NA	µg/L	0.0000123	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	540	271.5	NA	µg/L	0.00000199	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	284	271.5	NA	µg/L	0.00000105	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	7,320	271.5	NA	µg/L	0.0000270	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	3,420	271.5	NA	µg/L	0.0000126	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	261	271.5	NA	µg/L	0.000000961	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	1,420	271.5	NA	µg/L	0.00000523	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	14.8	271.5	NA	µg/L	0.0000000545	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	21,200	271.5	NA	µg/L	0.0000781	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	26,800	271.5	NA	µg/L	0.0000987	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	306	271.5	NA	µg/L	0.00000113	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	3,580	271.5	NA	µg/L	0.0000132	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	3,320	271.5	NA	µg/L	0.0000122	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	361	271.5	NA	µg/L	0.00000133	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	198	271.5	NA	µg/L	0.000000729	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	20	2,440	271.5	NA	µg/L	0.00000899	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	1,170	271.5	NA	µg/L	0.00000431	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	3,530	271.5	NA	µg/L	0.0000130	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	2,650	271.5	NA	µg/L	0.00000976	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	252	271.5	NA	µg/L	0.000000928	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	624	271.5	NA	µg/L	0.00000230	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	23,200	271.5	NA	µg/L	0.0000855	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	6,330	271.5	NA	µg/L	0.0000233	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	2,850	271.5	NA	µg/L	0.0000105	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	2,480	271.5	NA	µg/L	0.00000913	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	229	271.5	NA	µg/L	0.000000843	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	5,230	271.5	NA	µg/L	0.0000193	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	692	271.5	NA	µg/L	0.00000255	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	790	271.5	NA	µg/L	0.00000291	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	1,030	271.5	NA	µg/L	0.00000379	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	3,370	271.5	NA	µg/L	0.0000124	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	219	271.5	NA	µg/L	0.000000807	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	1,330	271.5	NA	µg/L	0.00000490	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	1,410	271.5	NA	µg/L	0.00000519	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	608	271.5	NA	µg/L	0.00000224	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	1,240	271.5	NA	µg/L	0.00000457	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	14,800	271.5	NA	µg/L	0.0000545	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	11,500	271.5	NA	µg/L	0.0000424	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	11,500	271.5	NA	µg/L	0.0000424	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	1,940	271.5	NA	µg/L	0.00000715	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	9,760	271.5	NA	µg/L	0.0000359	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	4,580	271.5	NA	µg/L	0.0000169	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	525	271.5	NA	µg/L	0.00000193	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	150	271.5	NA	µg/L	0.000000552	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	694	271.5	NA	µg/L	0.00000256	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	12,900	271.5	NA	µg/L	0.0000475	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	223	271.5	NA	µg/L	0.000000821	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	238	271.5	NA	µg/L	0.000000877	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	231	271.5	NA	µg/L	0.000000851	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	10,600	271.5	NA	µg/L	0.0000390	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	1,590	271.5	NA	µg/L	0.00000586	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	166	271.5	NA	µg/L	0.000000611	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	219	271.5	NA	µg/L	0.000000807	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	5,630	271.5	NA	µg/L	0.0000207	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	30,800	271.5	NA	µg/L	0.000113	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	1,640	271.5	NA	µg/L	0.00000604	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	493	271.5	NA	µg/L	0.00000182	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	339	271.5	NA	µg/L	0.00000125	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	936	271.5	NA	µg/L	0.00000345	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	1,540	271.5	NA	µg/L	0.00000567	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	349	271.5	NA	µg/L	0.00000129	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	884	271.5	NA	µg/L	0.00000326	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	2,520	271.5	NA	µg/L	0.00000928	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	106	271.5	NA	µg/L	0.000000390	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	120	271.5	NA	µg/L	0.000000442	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	1,750	271.5	NA	µg/L	0.00000645	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	951	271.5	NA	µg/L	0.00000350	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	87.8	271.5	NA	µg/L	0.000000323	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	99,000	271.5	NA	µg/L	0.000365	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	137,000	271.5	NA	µg/L	0.000505	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	80,800	271.5	NA	µg/L	0.000298	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	36,400	271.5	NA	µg/L	0.000134	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	2,200	271.5	NA	µg/L	0.00000810	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	2,320	271.5	NA	µg/L	0.00000855	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	3,890	271.5	NA	µg/L	0.0000143	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	7,040	271.5	NA	µg/L	0.0000259	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	2,460	271.5	NA	µg/L	0.00000906	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	4,190	271.5	NA	µg/L	0.0000154	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	475	271.5	NA	µg/L	0.00000175	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	1,360	271.5	NA	µg/L	0.00000501	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	86.4	271.5	NA	µg/L	0.000000318	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	389	271.5	NA	µg/L	0.00000143	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	5,730	271.5	NA	µg/L	0.0000211	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	1,330	271.5	NA	µg/L	0.00000490	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	878	271.5	NA	µg/L	0.00000323	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	242	271.5	NA	µg/L	0.000000891	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	3,250	271.5	NA	µg/L	0.0000120	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	34.4	271.5	NA	µg/L	0.000000127	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	403,000	271.5	6.4	pg/L	1,484	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	390	271.5	NA	µg/L	0.00000144	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	3,360	271.5	NA	µg/L	0.0000124	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	32.9	271.5	NA	µg/L	0.000000121	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	42.3	271.5	NA	µg/L	0.000000156	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	36.1	271.5	NA	µg/L	0.000000133	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25.6	271.5	NA	µg/L	0.0000000943	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	85.5	271.5	NA	µg/L	0.000000315	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	55.9	271.5	NA	µg/L	0.000000206	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	11.8	271.5	NA	µg/L	0.0000000435	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	17.5	271.5	NA	µg/L	0.0000000645	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	37.2	271.5	NA	µg/L	0.000000137	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	24.3	271.5	NA	µg/L	0.0000000895	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	6.64	271.5	NA	µg/L	0.0000000245	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	4.83	271.5	NA	µg/L	0.0000000178	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	6,530	271.5	NA	µg/L	0.0000241	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	621	271.5	NA	µg/L	0.00000229	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	690	271.5	NA	µg/L	0.00000254	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	968	271.5	NA	µg/L	0.00000357	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	29,800	271.5	NA	µg/L	0.000110	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	314	271.5	NA	µg/L	0.00000116	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	119	271.5	NA	µg/L	0.000000438	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	139	271.5	NA	µg/L	0.000000512	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	34.7	271.5	NA	µg/L	0.000000128	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	1,060	271.5	NA	µg/L	0.00000390	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	107	271.5	0.00051	pg/L	0.394	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	1000	3,260	229.5	NA	µg/L	0.0000142	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	4,580	229.5	NA	µg/L	0.0000200	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	5,700	229.5	NA	µg/L	0.0000248	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	10,300	229.5	0.031	ng/L	0.0449	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	1000	4,110	229.5	NA	µg/L	0.0000179	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	1000	9,050	229.5	NA	µg/L	0.0000394	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	13,200	229.5	0.018	ng/L	0.0575	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	9,030	229.5	NA	µg/L	0.0000393	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	16,400	229.5	NA	µg/L	0.0000715	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	25,400	229.5	0.022	ng/L	0.111	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	48,900	229.5	10	ng/L	0.213	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	3.68	3.68	229.5	NA	µg/L	0.0000000160	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	2.18	14.9	229.5	NA	µg/L	0.0000000649	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	3.75	165	229.5	NA	µg/L	0.000000719	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	1.82	26.4	229.5	NA	µg/L	0.000000115	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	2.12	23.7	229.5	NA	µg/L	0.000000103	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	4.43	285	229.5	NA	µg/L	0.00000124	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	4.38	11,600	229.5	NA	µg/L	0.0000505	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5.01	58.4	229.5	NA	µg/L	0.000000254	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3.03	35.5	229.5	NA	µg/L	0.000000155	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	2.88	134	229.5	NA	µg/L	0.000000584	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3.53	11.2	229.5	NA	µg/L	0.0000000488	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3.18	13.2	229.5	NA	µg/L	0.0000000575	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3.52	3.52	229.5	NA	µg/L	0.0000000153	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3.31	11,100	229.5	NA	µg/L	0.0000484	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3.64	90.5	229.5	NA	µg/L	0.000000394	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3.55	3.55	229.5	NA	µg/L	0.0000000155	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	24.4	4,750	229.5	NA	µg/L	0.0000207	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	23.6	1,620	229.5	NA	µg/L	0.00000706	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	21.9	752	229.5	NA	µg/L	0.00000328	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20.2	4,770	229.5	NA	µg/L	0.0000208	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20.9	2,600	229.5	NA	µg/L	0.0000113	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	22.4	217	229.5	NA	µg/L	0.000000946	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	2.13	431	229.5	NA	µg/L	0.00000188	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	2.7	547	229.5	NA	µg/L	0.00000238	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	1.87	1,050	229.5	NA	µg/L	0.00000458	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	19.1	8,700	229.5	NA	µg/L	0.0000379	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	18.8	18.8	229.5	NA	µg/L	0.0000000819	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	229.5	NA	µg/L	0.0000000871	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	21	3,300	229.5	NA	µg/L	0.0000144	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	2.02	2.02	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	23.5	23.5	229.5	NA	µg/L	0.000000102	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	18.2	4,680	229.5	NA	µg/L	0.0000204	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	1.78	1.78	229.5	NA	µg/L	0.000000008	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	2.17	8.57	229.5	NA	µg/L	0.0000000373	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	53.9	268	229.5	NA	µg/L	0.00000117	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	18	821	229.5	NA	µg/L	0.00000358	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	17.8	203	229.5	NA	µg/L	0.000000885	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	15.6	15.6	229.5	NA	µg/L	0.0000000680	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	82.7	1,840	229.5	NA	µg/L	0.00000802	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3.09	589	229.5	NA	µg/L	0.00000257	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	2.54	10,000	229.5	NA	µg/L	0.0000436	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	2.71	3,370	229.5	NA	µg/L	0.0000147	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	2.82	114	229.5	NA	µg/L	0.000000497	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	2.5	111	229.5	NA	µg/L	0.000000484	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	2.62	3,380	229.5	NA	µg/L	0.0000147	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3.32	558	229.5	NA	µg/L	0.00000243	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	1.41	963	229.5	NA	µg/L	0.00000420	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	2.78	166	229.5	NA	µg/L	0.000000723	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	2.54	108	229.5	NA	µg/L	0.000000471	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	2.75	2,380	229.5	NA	µg/L	0.0000104	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	2.25	1,170	229.5	NA	µg/L	0.00000510	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	2.56	2.56	229.5	NA	µg/L	0.0000000112	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	2.82	2.82	229.5	NA	µg/L	0.0000000123	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	2.64	581	229.5	NA	µg/L	0.00000253	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	2.59	2.59	229.5	NA	µg/L	0.0000000113	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	2.5	7,640	229.5	NA	µg/L	0.0000333	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	1.24	1.24	229.5	NA	µg/L	0.000000005	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	1.35	11.3	229.5	NA	µg/L	0.0000000492	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	1.16	1.16	229.5	NA	µg/L	0.000000005	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	2.08	7,740	229.5	NA	µg/L	0.0000337	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	1.16	1.16	229.5	NA	µg/L	0.000000005	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	2.08	7,740	229.5	NA	µg/L	0.0000337	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	2.48	88.5	229.5	NA	µg/L	0.000000386	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	1.29	1.29	229.5	NA	µg/L	0.000000006	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	94.7	1,390	229.5	NA	µg/L	0.00000606	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	1.97	1,030	229.5	NA	µg/L	0.00000449	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	63.2	170	229.5	NA	µg/L	0.000000741	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	74.2	74.2	229.5	NA	µg/L	0.000000323	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	2.21	2.21	229.5	NA	µg/L	0.000000010	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	1.88	1.88	229.5	NA	µg/L	0.000000008	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	1.92	765	229.5	NA	µg/L	0.00000333	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	2.19	2.19	229.5	NA	µg/L	0.000000010	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	133	133	229.5	NA	µg/L	0.000000580	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	2.15	65	229.5	NA	µg/L	0.000000283	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	18	1,630	229.5	NA	µg/L	0.00000710	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	22.1	1,180	229.5	NA	µg/L	0.00000514	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	12.8	114	229.5	NA	µg/L	0.000000497	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	13.8	339	229.5	NA	µg/L	0.00000148	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	15.9	6,280	229.5	NA	µg/L	0.0000274	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	30.4	1,840	229.5	NA	µg/L	0.00000802	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3.35	679	229.5	NA	µg/L	0.00000296	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	32.1	720	229.5	NA	µg/L	0.00000314	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	2.58	2.58	229.5	NA	µg/L	0.0000000112	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3.05	1,300	229.5	NA	µg/L	0.00000566	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	2.64	254	229.5	NA	µg/L	0.00000111	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	2.8	231	229.5	NA	µg/L	0.00000101	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	2.75	372	229.5	NA	µg/L	0.00000162	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	2.73	767	229.5	NA	µg/L	0.00000334	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	2.44	2.44	229.5	NA	µg/L	0.0000000106	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	29.1	114	229.5	NA	µg/L	0.000000497	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	78.4	563	229.5	NA	µg/L	0.00000245	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	8.37	506	229.5	NA	µg/L	0.00000220	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	9.54	238	229.5	NA	µg/L	0.00000104	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	9.77	1,270	229.5	NA	µg/L	0.00000553	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	7.76	506	229.5	NA	µg/L	0.00000220	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	7.17	3,420	229.5	NA	µg/L	0.0000149	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	7.69	5,020	229.5	NA	µg/L	0.0000219	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	8.12	40.8	229.5	NA	µg/L	0.000000178	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10.1	643	229.5	NA	µg/L	0.00000280	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	8.22	8.22	229.5	NA	µg/L	0.0000000358	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	7.65	7.65	229.5	NA	µg/L	0.0000000333	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	8.65	908	229.5	NA	µg/L	0.00000396	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	9.61	18.8	229.5	NA	µg/L	0.0000000819	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	9.05	9.05	229.5	NA	µg/L	0.0000000394	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	8.52	4,150	229.5	NA	µg/L	0.0000181	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	1.6	14	229.5	NA	µg/L	0.0000000610	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	6.72	1,280	229.5	NA	µg/L	0.00000558	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	6.65	103	229.5	NA	µg/L	0.000000449	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	8.15	23.9	229.5	NA	µg/L	0.000000104	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	1.6	1.6	229.5	NA	µg/L	0.000000007	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	7.29	1,560	229.5	NA	µg/L	0.00000680	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	6.38	168	229.5	NA	µg/L	0.000000732	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5.76	5.76	229.5	NA	µg/L	0.0000000251	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	7.53	49.5	229.5	NA	µg/L	0.000000216	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5.58	223	229.5	NA	µg/L	0.000000972	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5.71	5,320	229.5	NA	µg/L	0.0000232	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	6.19	6.19	229.5	NA	µg/L	0.0000000270	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5.37	13.4	229.5	NA	µg/L	0.0000000584	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	6.79	89.7	229.5	NA	µg/L	0.000000391	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	6.34	90.6	229.5	NA	µg/L	0.000000395	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	6.67	3,390	229.5	NA	µg/L	0.0000148	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5.52	5.52	229.5	NA	µg/L	0.0000000241	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5.23	5.23	229.5	NA	µg/L	0.0000000228	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	6.42	40.1	229.5	NA	µg/L	0.000000175	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5.66	5.66	229.5	NA	µg/L	0.0000000247	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	47.4	47.4	229.5	NA	µg/L	0.000000207	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	6.57	6.57	229.5	NA	µg/L	0.0000000286	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	26.3	1,740	229.5	NA	µg/L	0.00000758	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	15.9	8,170	229.5	NA	µg/L	0.0000356	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5.68	396	229.5	NA	µg/L	0.00000173	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	6.7	235	229.5	NA	µg/L	0.00000102	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	8.28	75.3	229.5	NA	µg/L	0.000000328	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5.62	1,060	229.5	NA	µg/L	0.00000462	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5.78	29.7	229.5	NA	µg/L	0.000000129	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	7.14	53.9	229.5	NA	µg/L	0.000000235	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	7.95	111	229.5	NA	µg/L	0.000000484	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5.4	488	229.5	NA	µg/L	0.00000213	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	6.19	158	229.5	NA	µg/L	0.000000688	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5.32	68.1	229.5	NA	µg/L	0.000000297	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5.98	114	229.5	NA	µg/L	0.000000497	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5.45	1,380	229.5	NA	µg/L	0.00000601	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	2.15	2.15	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	25.8	349	229.5	NA	µg/L	0.00000152	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	24.5	24.5	229.5	NA	µg/L	0.000000107	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	23.4	23.4	229.5	NA	µg/L	0.000000102	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	26.4	90.4	229.5	NA	µg/L	0.000000394	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5.03	85.3	229.5	NA	µg/L	0.000000372	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	29.9	254	229.5	NA	µg/L	0.00000111	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	24.4	705	229.5	NA	µg/L	0.00000307	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	28.3	28.3	229.5	NA	µg/L	0.000000123	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	27	27	229.5	NA	µg/L	0.000000118	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	23.3	23.3	229.5	NA	µg/L	0.000000102	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	4.76	435	229.5	NA	µg/L	0.00000190	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	25.3	25.3	229.5	NA	µg/L	0.000000110	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	4.62	4.62	229.5	NA	µg/L	0.0000000201	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	35.2	260	229.5	NA	µg/L	0.00000113	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	22.6	86.8	229.5	NA	µg/L	0.000000378	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	27.1	27.1	229.5	NA	µg/L	0.000000118	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	25.1	25.1	229.5	NA	µg/L	0.000000109	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	30.7	30.7	229.5	NA	µg/L	0.000000134	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	25.1	34,700	229.5	NA	µg/L	0.000151	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	77	44,800	229.5	NA	µg/L	0.000195	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	12.7	29,100	229.5	NA	µg/L	0.000127	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	6.41	3,770	229.5	NA	µg/L	0.0000164	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	1.93	140	229.5	NA	µg/L	0.000000610	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	1.9	134	229.5	NA	µg/L	0.000000584	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	1.39	233	229.5	NA	µg/L	0.00000102	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	1.92	31	229.5	NA	µg/L	0.000000135	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10.5	543	229.5	NA	µg/L	0.00000237	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	9.94	203	229.5	NA	µg/L	0.000000885	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10.7	342	229.5	NA	µg/L	0.00000149	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	9.23	42	229.5	NA	µg/L	0.000000183	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	11.2	11.2	229.5	NA	µg/L	0.0000000488	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	11.4	11.4	229.5	NA	µg/L	0.0000000497	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	11.2	109	229.5	NA	µg/L	0.000000475	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	1.44	4.36	229.5	NA	µg/L	0.0000000190	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	1.42	24.8	229.5	NA	µg/L	0.000000108	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	9.59	435	229.5	NA	µg/L	0.00000190	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	1.28	89.2	229.5	NA	µg/L	0.000000389	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	11.1	753	229.5	NA	µg/L	0.00000328	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	9.36	434	229.5	NA	µg/L	0.00000189	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10.9	252	229.5	NA	µg/L	0.00000110	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10.4	10.4	229.5	NA	µg/L	0.0000000453	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10.3	10.3	229.5	NA	µg/L	0.0000000449	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	141,000	229.5	6.4	pg/L	614	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	4.33	182	229.5	NA	µg/L	0.000000793	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.28	840	229.5	NA	µg/L	0.00000366	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	4.88	12.3	229.5	NA	µg/L	0.0000000536	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3.38	16.8	229.5	NA	µg/L	0.0000000732	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	1.6	22.6	229.5	NA	µg/L	0.0000000985	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	3.29	8.46	229.5	NA	µg/L	0.0000000369	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.63	43.7	229.5	NA	µg/L	0.000000190	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	3.85	3.85	229.5	NA	µg/L	0.0000000168	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.53	34.6	229.5	NA	µg/L	0.000000151	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.63	1.99	229.5	NA	µg/L	0.000000009	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.38	10.1	229.5	NA	µg/L	0.0000000440	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	3.75	18.2	229.5	NA	µg/L	0.0000000793	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.69	10.6	229.5	NA	µg/L	0.0000000462	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.03	2.03	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.17	2.17	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.03	2.03	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.17	2.17	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	4.58	513	229.5	NA	µg/L	0.00000224	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.28	1,540	229.5	NA	µg/L	0.00000671	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.55	306	229.5	NA	µg/L	0.00000133	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.58	282	229.5	NA	µg/L	0.00000123	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.66	356	229.5	NA	µg/L	0.00000155	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5.43	5,520	229.5	NA	µg/L	0.0000241	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.66	126	229.5	NA	µg/L	0.000000549	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.38	42.1	229.5	NA	µg/L	0.000000183	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.17	2.17	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	2.03	2.03	229.5	NA	µg/L	0.000000009	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	41.3	229.5	0.00051	pg/L	0.180	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	3,430	3,430	309	NA	µg/L	0.0000111	UJ
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,770	1,770	309	NA	µg/L	0.00000573	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	2,710	2,710	309	NA	µg/L	0.00000877	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	2,710	2,710	309	0.031	ng/L	0.0088	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	1,070	1,070	309	NA	µg/L	0.00000346	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	1,100	4,310	309	NA	µg/L	0.0000139	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	4,850	309	0.018	ng/L	0.0157	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	4,150	4,150	309	NA	µg/L	0.0000134	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	5,250	5,250	309	NA	µg/L	0.0000170	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5,250	5,250	309	0.022	ng/L	0.0170	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	11,800	309	10	ng/L	0.0382	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	16.7	16.7	309	NA	µg/L	0.0000000540	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	8.19	8.19	309	NA	µg/L	0.0000000265	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	14.8	289	309	NA	µg/L	0.000000935	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	8.56	8.56	309	NA	µg/L	0.0000000277	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	9.43	9.43	309	NA	µg/L	0.0000000305	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	60.9	60.9	309	NA	µg/L	0.000000197	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	15.6	8,090	309	NA	µg/L	0.0000262	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	16.5	16.5	309	NA	µg/L	0.0000000534	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	13.8	126	309	NA	µg/L	0.000000408	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	13.3	489	309	NA	µg/L	0.00000158	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	16.1	16.1	309	NA	µg/L	0.0000000521	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	14.6	14.6	309	NA	µg/L	0.0000000472	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	12	12	309	NA	µg/L	0.0000000388	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	14.4	14.4	309	NA	µg/L	0.0000000466	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	16	16	309	NA	µg/L	0.0000000518	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	15.8	15.8	309	NA	µg/L	0.0000000511	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	70.2	1,200	309	NA	µg/L	0.00000388	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	60.9	337	309	NA	µg/L	0.00000109	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	60.4	222	309	NA	µg/L	0.000000718	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	55.1	1,190	309	NA	µg/L	0.00000385	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	55.6	651	309	NA	µg/L	0.00000211	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	60.9	56.4	309	NA	µg/L	0.000000183	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	12.5	126	309	NA	µg/L	0.000000408	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	16.5	207	309	NA	µg/L	0.000000670	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	12.5	126	309	NA	µg/L	0.000000408	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	16.5	207	309	NA	µg/L	0.000000670	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10.7	408	309	NA	µg/L	0.00000132	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	49.1	2,320	309	NA	µg/L	0.00000751	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	49.8	49.8	309	NA	µg/L	0.000000161	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	53.4	53.4	309	NA	µg/L	0.000000173	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	55.4	616	309	NA	µg/L	0.00000199	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	11.8	11.8	309	NA	µg/L	0.0000000382	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	60.5	297	309	NA	µg/L	0.000000961	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	48.9	1,490	309	NA	µg/L	0.00000482	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10.4	10.4	309	NA	µg/L	0.0000000337	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	12	12	309	NA	µg/L	0.0000000388	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	98	98	309	NA	µg/L	0.000000317	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	46	204	309	NA	µg/L	0.000000660	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	46.8	46.8	309	NA	µg/L	0.000000151	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	40.8	40.8	309	NA	µg/L	0.000000132	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	97.1	791	309	NA	µg/L	0.00000256	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	27.8	318	309	NA	µg/L	0.00000103	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	21.9	4,480	309	NA	µg/L	0.0000145	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	24.6	1,500	309	NA	µg/L	0.00000485	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	25.9	65.2	309	NA	µg/L	0.000000211	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	22.3	63.2	309	NA	µg/L	0.000000205	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	22.7	1,590	309	NA	µg/L	0.00000515	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	31.7	243	309	NA	µg/L	0.000000786	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	15.1	594	309	NA	µg/L	0.00000192	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	26.1	202	309	NA	µg/L	0.000000654	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	21.6	73.4	309	NA	µg/L	0.000000238	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	24.1	829	309	NA	µg/L	0.00000268	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	19.6	540	309	NA	µg/L	0.00000175	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	21.7	21.7	309	NA	µg/L	0.0000000702	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	25.5	25.5	309	NA	µg/L	0.0000000825	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	23.1	204	309	NA	µg/L	0.000000660	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	23	23	309	NA	µg/L	0.0000000744	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	20.8	3,350	309	NA	µg/L	0.0000108	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	13.4	13.4	309	NA	µg/L	0.0000000434	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	14.1	14.1	309	NA	µg/L	0.0000000456	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	12.7	12.7	309	NA	µg/L	0.0000000411	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	17.6	2,890	309	NA	µg/L	0.00000935	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	21.9	72.4	309	NA	µg/L	0.000000234	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	12.4	12.4	309	NA	µg/L	0.0000000401	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	142	563	309	NA	µg/L	0.00000182	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	16.7	428	309	NA	µg/L	0.00000139	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	73	73	309	NA	µg/L	0.000000236	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	87.4	87.4	309	NA	µg/L	0.000000283	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	19.3	19.3	309	NA	µg/L	0.0000000625	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	16	16	309	NA	µg/L	0.0000000518	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	15.5	212	309	NA	µg/L	0.000000686	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	18.6	18.6	309	NA	µg/L	0.0000000602	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	160	160	309	NA	µg/L	0.000000518	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	8.81	79.5	309	NA	µg/L	0.000000257	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	91.2	247	309	NA	µg/L	0.000000799	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	125	247	309	NA	µg/L	0.000000799	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	59.9	59.9	309	NA	µg/L	0.000000194	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	57.5	57.5	309	NA	µg/L	0.000000186	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	68.3	1,870	309	NA	µg/L	0.00000605	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	119	479	309	NA	µg/L	0.00000155	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	41.4	148	309	NA	µg/L	0.000000479	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	122	171	309	NA	µg/L	0.000000553	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	30.3	30.3	309	NA	µg/L	0.0000000981	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	35.6	458	309	NA	µg/L	0.00000148	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	29.6	76.7	309	NA	µg/L	0.000000248	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	32.3	68.6	309	NA	µg/L	0.000000222	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	29.4	138	309	NA	µg/L	0.000000447	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	32.9	334	309	NA	µg/L	0.00000108	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	28.1	28.1	309	NA	µg/L	0.0000000909	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	107	107	309	NA	µg/L	0.000000346	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	85	181	309	NA	µg/L	0.000000586	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	52.5	302	309	NA	µg/L	0.000000977	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	70.2	121	309	NA	µg/L	0.000000392	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	61.9	905	309	NA	µg/L	0.00000293	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	43.4	431	309	NA	µg/L	0.00000139	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	41.3	1,920	309	NA	µg/L	0.00000621	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	45.6	3,230	309	NA	µg/L	0.0000105	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	50.9	50.9	309	NA	µg/L	0.000000165	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	53	27.7	309	NA	µg/L	0.0000000896	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	51.7	51.7	309	NA	µg/L	0.000000167	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	56.6	559	309	NA	µg/L	0.00000181	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	55.6	687	309	NA	µg/L	0.00000222	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	62.3	62.3	309	NA	µg/L	0.000000202	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	54.8	54.8	309	NA	µg/L	0.000000177	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	52.9	3,170	309	NA	µg/L	0.0000103	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5.24	22.8	309	NA	µg/L	0.0000000738	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	35.7	1,050	309	NA	µg/L	0.00000340	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	40.6	61.9	309	NA	µg/L	0.000000200	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	50.7	106	309	NA	µg/L	0.000000343	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5.17	5.17	309	NA	µg/L	0.0000000167	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	41.9	1,220	309	NA	µg/L	0.00000395	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	35.9	114	309	NA	µg/L	0.000000369	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	35.4	35.4	309	NA	µg/L	0.000000115	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	51	59.4	309	NA	µg/L	0.000000192	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	33.1	149	309	NA	µg/L	0.000000482	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	30	3,230	309	NA	µg/L	0.0000105	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	37.6	37.6	309	NA	µg/L	0.000000122	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	32.7	37.7	309	NA	µg/L	0.000000122	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	40.9	59.1	309	NA	µg/L	0.000000191	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	35.5	73.1	309	NA	µg/L	0.000000237	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	35.6	2,460	309	NA	µg/L	0.00000796	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	36.8	36.8	309	NA	µg/L	0.000000119	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	29.7	29.7	309	NA	µg/L	0.0000000961	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	39.3	63.3	309	NA	µg/L	0.000000205	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	34.1	34.1	309	NA	µg/L	0.000000110	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	59	59	309	NA	µg/L	0.000000191	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	40	40	309	NA	µg/L	0.000000129	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	38.7	1,650	309	NA	µg/L	0.00000534	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	26.7	11,300	309	NA	µg/L	0.0000366	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	20.1	606	309	NA	µg/L	0.00000196	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	26.1	404	309	NA	µg/L	0.00000131	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	29.5	102	309	NA	µg/L	0.000000330	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	19.8	1,620	309	NA	µg/L	0.00000524	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	22.1	36	309	NA	µg/L	0.000000117	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	27.7	154	309	NA	µg/L	0.000000498	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	29.6	179	309	NA	µg/L	0.000000579	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	19.4	1,220	309	NA	µg/L	0.00000395	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	23.3	255	309	NA	µg/L	0.000000825	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20.4	236	309	NA	µg/L	0.000000764	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	21.9	345	309	NA	µg/L	0.00000112	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	2,260	309	NA	µg/L	0.00000731	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	7.98	7.98	309	NA	µg/L	0.0000000258	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	38.5	352	309	NA	µg/L	0.00000114	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	37.3	37.3	309	NA	µg/L	0.000000121	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	36.4	36.4	309	NA	µg/L	0.000000118	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	40.4	40.4	309	NA	µg/L	0.000000131	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	17.2	124	309	NA	µg/L	0.000000401	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	45.9	187	309	NA	µg/L	0.000000605	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	38.2	732	309	NA	µg/L	0.00000237	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	44.6	44.6	309	NA	µg/L	0.000000144	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	41	97	309	NA	µg/L	0.000000314	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	35.8	35.8	309	NA	µg/L	0.000000116	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	17.3	523	309	NA	µg/L	0.00000169	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	39.2	39.2	309	NA	µg/L	0.000000127	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	16.2	16.2	309	NA	µg/L	0.0000000524	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	43.8	170	309	NA	µg/L	0.000000550	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	34.7	34.7	309	NA	µg/L	0.000000112	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	40.2	40.2	309	NA	µg/L	0.000000130	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	38.4	38.4	309	NA	µg/L	0.000000124	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	39.8	39.8	309	NA	µg/L	0.000000129	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	57.8	9,330	309	NA	µg/L	0.0000302	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	99.7	19,200	309	NA	µg/L	0.0000621	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	36.3	20,100	309	NA	µg/L	0.0000650	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	23.8	7,980	309	NA	µg/L	0.0000258	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	13.7	468	309	NA	µg/L	0.00000151	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	13.1	589	309	NA	µg/L	0.00000191	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	8.84	897	309	NA	µg/L	0.00000290	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	12.7	92.2	309	NA	µg/L	0.000000298	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	33.8	1,510	309	NA	µg/L	0.00000489	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	32.1	470	309	NA	µg/L	0.00000152	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	34.9	917	309	NA	µg/L	0.00000297	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	30.2	156	309	NA	µg/L	0.000000505	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	36.6	36.6	309	NA	µg/L	0.000000118	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	36.9	36.9	309	NA	µg/L	0.000000119	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	35.7	378	309	NA	µg/L	0.00000122	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	8.87	14.6	309	NA	µg/L	0.0000000472	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	9.13	79.8	309	NA	µg/L	0.000000258	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	31.7	1,240	309	NA	µg/L	0.00000401	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	8.38	346	309	NA	µg/L	0.00000112	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	34.7	327	309	NA	µg/L	0.00000106	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	30.8	158	309	NA	µg/L	0.000000511	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	35	335	309	NA	µg/L	0.00000108	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	33	33	309	NA	µg/L	0.000000107	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	33.7	33.7	309	NA	µg/L	0.000000109	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	72,000	309	6.4	pg/L	233	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	4.66	137	309	NA	µg/L	0.000000443	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.06	559	309	NA	µg/L	0.00000181	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	5.93	10.3	309	NA	µg/L	0.0000000333	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.8	10.9	309	NA	µg/L	0.0000000353	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	4.51	12.1	309	NA	µg/L	0.0000000392	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.86	9.22	309	NA	µg/L	0.0000000298	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	4.26	32	309	NA	µg/L	0.000000104	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.99	1.99	309	NA	µg/L	0.000000006	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	4.11	23.9	309	NA	µg/L	0.0000000773	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	2.82	2.82	309	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5.43	10.4	309	NA	µg/L	0.0000000337	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	2	9.54	309	NA	µg/L	0.0000000309	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	2.77	2.77	309	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.41	2.41	309	NA	µg/L	0.000000008	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.97	2.97	309	NA	µg/L	0.000000010	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.06	1,010	309	NA	µg/L	0.00000327	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.91	188	309	NA	µg/L	0.000000608	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	4.28	199	309	NA	µg/L	0.000000644	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	4.14	277	309	NA	µg/L	0.000000896	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	16.4	3,590	309	NA	µg/L	0.0000116	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	2.79	50.8	309	NA	µg/L	0.000000164	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5.43	10.4	309	NA	µg/L	0.0000000337	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	2.41	6.04	309	NA	µg/L	0.0000000195	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	2.97	2.97	309	NA	µg/L	0.000000010	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5.26	364	309	NA	µg/L	0.00000118	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	30.6	309	0.00051	pg/L	0.0990	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	250.5	NA	µg/L	0.00000399	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	1,160	250.5	NA	µg/L	0.00000463	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	3,200	250.5	NA	µg/L	0.0000128	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	4,360	250.5	0.031	ng/L	0.0174	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	250.5	NA	µg/L	0.00000399	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	1,980	250.5	NA	µg/L	0.00000790	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	2,480	250.5	0.018	ng/L	0.0099	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	1,980	250.5	NA	µg/L	0.00000790	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	7,350	250.5	NA	µg/L	0.0000293	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	9,330	250.5	0.022	ng/L	0.0372	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	16,200	250.5	10	ng/L	0.0647	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	20.8	250.5	NA	µg/L	0.0000000830	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	4,710	250.5	NA	µg/L	0.0000188	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	1,090	250.5	NA	µg/L	0.00000435	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	262	250.5	NA	µg/L	0.00000105	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	168	250.5	NA	µg/L	0.000000671	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	899	250.5	NA	µg/L	0.00000359	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	557	250.5	NA	µg/L	0.00000222	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	272	250.5	NA	µg/L	0.00000109	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	2,110	250.5	NA	µg/L	0.00000842	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	480	250.5	NA	µg/L	0.00000192	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	81.9	250.5	NA	µg/L	0.000000327	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	1,120	250.5	NA	µg/L	0.00000447	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	223	250.5	NA	µg/L	0.000000890	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	564	250.5	NA	µg/L	0.00000225	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	199	250.5	NA	µg/L	0.000000794	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	3,780	250.5	NA	µg/L	0.0000151	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	59.2	250.5	NA	µg/L	0.000000236	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	150	250.5	NA	µg/L	0.000000599	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	250.5	NA	µg/L	0.000000160	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	490	250.5	NA	µg/L	0.00000196	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	362	250.5	NA	µg/L	0.00000145	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	20	259	250.5	NA	µg/L	0.00000103	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	169	250.5	NA	µg/L	0.000000675	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	330	250.5	NA	µg/L	0.00000132	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	330	250.5	NA	µg/L	0.00000132	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	2,270	250.5	NA	µg/L	0.00000906	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	452	250.5	NA	µg/L	0.00000180	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	326	250.5	NA	µg/L	0.00000130	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	224	250.5	NA	µg/L	0.000000894	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	606	250.5	NA	µg/L	0.00000242	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	88.9	250.5	NA	µg/L	0.000000355	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	83.2	250.5	NA	µg/L	0.000000332	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	106	250.5	NA	µg/L	0.000000423	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	388	250.5	NA	µg/L	0.00000155	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	156	250.5	NA	µg/L	0.000000623	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	250.5	NA	µg/L	0.000000399	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	1,040	250.5	NA	µg/L	0.00000415	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	250.5	NA	µg/L	0.000000319	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	8,560	250.5	NA	µg/L	0.0000342	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	159	250.5	NA	µg/L	0.000000635	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	7,870	250.5	NA	µg/L	0.0000314	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	15,200	250.5	NA	µg/L	0.0000607	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	14,800	250.5	NA	µg/L	0.0000591	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	5,780	250.5	NA	µg/L	0.0000231	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	18,900	250.5	6.4	pg/L	75	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	48.6	250.5	NA	µg/L	0.000000194	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	376	250.5	NA	µg/L	0.00000150	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	3.85	250.5	NA	µg/L	0.0000000154	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	8.3	250.5	NA	µg/L	0.0000000331	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	14.6	250.5	NA	µg/L	0.0000000583	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	10.5	250.5	NA	µg/L	0.0000000419	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	5.01	250.5	NA	µg/L	0.0000000200	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	825	250.5	NA	µg/L	0.00000329	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	64.2	250.5	NA	µg/L	0.000000256	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	121	250.5	NA	µg/L	0.000000483	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	126	250.5	NA	µg/L	0.000000503	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	3,630	250.5	NA	µg/L	0.0000145	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	2.2	250.5	NA	µg/L	0.000000009	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	114	250.5	NA	µg/L	0.000000455	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	31.6	250.5	0.00051	pg/L	0.126	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	1000	726	279	NA	µg/L	0.00000260	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	483	279	NA	µg/L	0.00000173	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	1,010	279	NA	µg/L	0.00000362	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,490	279	0.031	ng/L	0.0053	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	279	NA	µg/L	0.00000358	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	1000	1,260	279	NA	µg/L	0.00000452	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	1,760	279	0.018	ng/L	0.0063	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	538	279	NA	µg/L	0.00000193	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	2,260	279	NA	µg/L	0.00000810	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	2,800	279	0.022	ng/L	0.0100	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	6,050	279	10	ng/L	0.0217	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	11.9	11.9	279	NA	µg/L	0.0000000427	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	18.4	151	279	NA	µg/L	0.000000541	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	12.1	103	279	NA	µg/L	0.000000369	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	6.28	49.8	279	NA	µg/L	0.000000178	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	7.3	53.2	279	NA	µg/L	0.000000191	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	4.58	37.7	279	NA	µg/L	0.000000135	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	11.3	5,180	279	NA	µg/L	0.0000186	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10.5	295	279	NA	µg/L	0.00000106	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	9.82	66.9	279	NA	µg/L	0.000000240	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	9.34	178	279	NA	µg/L	0.000000638	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	11.4	14	279	NA	µg/L	0.0000000502	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10.3	17.8	279	NA	µg/L	0.0000000638	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	7.37	19.7	279	NA	µg/L	0.0000000706	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10.7	4,450	279	NA	µg/L	0.0000159	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	11.8	43	279	NA	µg/L	0.000000154	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	11.5	11.5	279	NA	µg/L	0.0000000412	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	13.3	217	279	NA	µg/L	0.000000778	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	12.6	75.6	279	NA	µg/L	0.000000271	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	11.8	40.9	279	NA	µg/L	0.000000147	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10.8	224	279	NA	µg/L	0.000000803	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	11.2	119	279	NA	µg/L	0.000000427	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	12	12	279	NA	µg/L	0.0000000430	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3.62	32.6	279	NA	µg/L	0.000000117	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	4.6	42.1	279	NA	µg/L	0.000000151	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3.18	69.4	279	NA	µg/L	0.000000249	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10.2	420	279	NA	µg/L	0.00000151	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10.1	10.1	279	NA	µg/L	0.0000000362	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10.7	10.7	279	NA	µg/L	0.0000000384	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	11.3	133	279	NA	µg/L	0.000000477	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3.45	3.45	279	NA	µg/L	0.0000000124	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	12.6	24.6	279	NA	µg/L	0.0000000882	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	9.77	276	279	NA	µg/L	0.000000989	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3.03	3.03	279	NA	µg/L	0.0000000109	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3.7	3.7	279	NA	µg/L	0.0000000133	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	23.4	23.4	279	NA	µg/L	0.0000000839	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	9.87	30.4	279	NA	µg/L	0.000000109	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	9.51	9.51	279	NA	µg/L	0.0000000341	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	8.35	8.35	279	NA	µg/L	0.0000000299	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	18	212	279	NA	µg/L	0.000000760	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	8.34	67.1	279	NA	µg/L	0.000000241	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	6.86	966	279	NA	µg/L	0.00000346	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	7.32	328	279	NA	µg/L	0.00000118	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	7.6	15.2	279	NA	µg/L	0.0000000545	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	6.74	16.4	279	NA	µg/L	0.0000000588	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	7.06	364	279	NA	µg/L	0.00000130	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	8.95	50.8	279	NA	µg/L	0.000000182	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5.33	164	279	NA	µg/L	0.000000588	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	7.51	38.8	279	NA	µg/L	0.000000139	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	6.86	29	279	NA	µg/L	0.000000104	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	7.42	164	279	NA	µg/L	0.000000588	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	6.07	141	279	NA	µg/L	0.000000505	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	6.89	6.89	279	NA	µg/L	0.0000000247	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	7.61	7.61	279	NA	µg/L	0.0000000273	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	7.13	49.9	279	NA	µg/L	0.000000179	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	6.99	6.96	279	NA	µg/L	0.0000000249	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	6.76	800	279	NA	µg/L	0.00000287	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	4.69	4.69	279	NA	µg/L	0.0000000168	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5.12	6.7	279	NA	µg/L	0.0000000240	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	4.4	4.4	279	NA	µg/L	0.0000000158	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5.62	662	279	NA	µg/L	0.00000237	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	6.69	24.1	279	NA	µg/L	0.0000000864	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	4.89	4.89	279	NA	µg/L	0.0000000175	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	24	152	279	NA	µg/L	0.000000545	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5.3	94.7	279	NA	µg/L	0.000000339	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	13.8	13.8	279	NA	µg/L	0.0000000495	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	16.2	16.2	279	NA	µg/L	0.0000000581	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5.96	5.96	279	NA	µg/L	0.0000000214	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5.07	5.07	279	NA	µg/L	0.0000000182	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5.19	66.1	279	NA	µg/L	0.000000237	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5.91	5.91	279	NA	µg/L	0.0000000212	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	51.9	51.9	279	NA	µg/L	0.000000186	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	12.8	254	279	NA	µg/L	0.000000910	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	27.2	72.5	279	NA	µg/L	0.000000260	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	34.7	72.5	279	NA	µg/L	0.000000260	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	18.4	18.4	279	NA	µg/L	0.0000000659	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	19.8	19.8	279	NA	µg/L	0.0000000710	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	23.6	373	279	NA	µg/L	0.00000134	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	34	101	279	NA	µg/L	0.000000362	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	18	46.3	279	NA	µg/L	0.000000166	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	35.8	37.6	279	NA	µg/L	0.000000135	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	13.8	13.8	279	NA	µg/L	0.0000000495	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	16.4	99	279	NA	µg/L	0.000000355	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	14.2	14.2	279	NA	µg/L	0.0000000509	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	15	15	279	NA	µg/L	0.0000000538	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	14.8	34.4	279	NA	µg/L	0.000000123	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	14.6	55.2	279	NA	µg/L	0.000000198	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	13.1	13.1	279	NA	µg/L	0.0000000470	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	32.5	32.5	279	NA	µg/L	0.000000116	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	17.1	48.1	279	NA	µg/L	0.000000172	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	8.09	95.6	279	NA	µg/L	0.000000343	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	9.22	40.8	279	NA	µg/L	0.000000146	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	9.44	276	279	NA	µg/L	0.000000989	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	7.49	152	279	NA	µg/L	0.000000545	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	6.93	569	279	NA	µg/L	0.00000204	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	7.43	932	279	NA	µg/L	0.00000334	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	7.85	7.85	279	NA	µg/L	0.0000000281	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	9.77	9.77	279	NA	µg/L	0.0000000350	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	7.94	7.69	279	NA	µg/L	0.0000000276	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	7.39	183	279	NA	µg/L	0.000000656	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	8.36	228	279	NA	µg/L	0.000000817	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	9.29	9.29	279	NA	µg/L	0.0000000333	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	8.74	21.9	279	NA	µg/L	0.0000000785	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	8.23	1,020	279	NA	µg/L	0.00000366	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	2.14	9.75	279	NA	µg/L	0.0000000349	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	6.49	376	279	NA	µg/L	0.00000135	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	6.43	25.9	279	NA	µg/L	0.0000000928	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	7.87	50.3	279	NA	µg/L	0.000000180	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	2.15	3.39	279	NA	µg/L	0.0000000122	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	6.95	317	279	NA	µg/L	0.00000114	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	6.16	42	279	NA	µg/L	0.000000151	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5.57	5.75	279	NA	µg/L	0.0000000206	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	7.34	14.1	279	NA	µg/L	0.0000000505	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5.39	56.7	279	NA	µg/L	0.000000203	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5.52	935	279	NA	µg/L	0.00000335	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5.98	5.98	279	NA	µg/L	0.0000000214	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5.19	5.19	279	NA	µg/L	0.0000000186	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	6.62	18.8	279	NA	µg/L	0.0000000674	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	6.12	16.7	279	NA	µg/L	0.0000000599	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	6.09	636	279	NA	µg/L	0.00000228	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5.33	12	279	NA	µg/L	0.0000000430	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5.05	5.05	279	NA	µg/L	0.0000000181	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	6.2	15	279	NA	µg/L	0.0000000538	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5.47	5.47	279	NA	µg/L	0.0000000196	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	24	24	279	NA	µg/L	0.0000000860	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	6.26	6.26	279	NA	µg/L	0.0000000224	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	12.9	709	279	NA	µg/L	0.00000254	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10.1	5,170	279	NA	µg/L	0.0000185	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5.41	277	279	NA	µg/L	0.000000993	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	6.38	165	279	NA	µg/L	0.000000591	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	7.88	34.6	279	NA	µg/L	0.000000124	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5.35	753	279	NA	µg/L	0.00000270	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5.51	14.7	279	NA	µg/L	0.0000000527	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	6.8	60.8	279	NA	µg/L	0.000000218	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	7.57	150	279	NA	µg/L	0.000000538	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5.14	592	279	NA	µg/L	0.00000212	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5.9	98.5	279	NA	µg/L	0.000000353	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5.07	63.3	279	NA	µg/L	0.000000227	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5.7	196	279	NA	µg/L	0.000000703	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5.19	1,010	279	NA	µg/L	0.00000362	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5.61	10.8	279	NA	µg/L	0.0000000387	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	12.6	166	279	NA	µg/L	0.000000595	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	12	12	279	NA	µg/L	0.0000000430	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	11.4	11.4	279	NA	µg/L	0.0000000409	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	12.9	12.9	279	NA	µg/L	0.0000000462	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	4.79	58.4	279	NA	µg/L	0.000000209	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	14.6	95.3	279	NA	µg/L	0.000000342	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	11.9	308	279	NA	µg/L	0.00000110	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	13.8	18.8	279	NA	µg/L	0.0000000674	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	13.2	43.7	279	NA	µg/L	0.000000157	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	11.4	18.6	279	NA	µg/L	0.0000000667	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	4.53	232	279	NA	µg/L	0.000000832	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	12.4	21.1	279	NA	µg/L	0.0000000756	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	4.4	4.31	279	NA	µg/L	0.0000000154	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	19.1	73.8	279	NA	µg/L	0.000000265	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	11	11	279	NA	µg/L	0.0000000394	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	13.2	13.2	279	NA	µg/L	0.0000000473	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	12.3	12.3	279	NA	µg/L	0.0000000441	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	15	15	279	NA	µg/L	0.0000000538	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	12.7	1,700	279	NA	µg/L	0.00000609	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	24.5	4,470	279	NA	µg/L	0.0000160	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	8.65	6,060	279	NA	µg/L	0.0000217	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	5.94	3,290	279	NA	µg/L	0.0000118	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5.26	296	279	NA	µg/L	0.00000106	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5.18	418	279	NA	µg/L	0.00000150	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3.78	639	279	NA	µg/L	0.00000229	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5.22	100	279	NA	µg/L	0.000000358	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	6.43	368	279	NA	µg/L	0.00000132	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	6.06	122	279	NA	µg/L	0.000000437	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	6.54	253	279	NA	µg/L	0.000000907	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5.63	53.8	279	NA	µg/L	0.000000193	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	6.83	6.83	279	NA	µg/L	0.0000000245	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	6.93	10.6	279	NA	µg/L	0.0000000380	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	6.86	127	279	NA	µg/L	0.000000455	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3.93	10.5	279	NA	µg/L	0.0000000376	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3.86	57.1	279	NA	µg/L	0.000000205	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5.85	289	279	NA	µg/L	0.00000104	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3.49	237	279	NA	µg/L	0.000000849	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	6.78	128	279	NA	µg/L	0.000000459	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5.71	68.8	279	NA	µg/L	0.000000247	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	6.65	103	279	NA	µg/L	0.000000369	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	6.32	6.32	279	NA	µg/L	0.0000000227	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	6.31	9.84	279	NA	µg/L	0.0000000353	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	26,900	279	6.4	pg/L	96	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.86	35.9	279	NA	µg/L	0.000000129	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.31	371	279	NA	µg/L	0.00000133	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	3.18	3.18	279	NA	µg/L	0.0000000114	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	2.19	3.96	279	NA	µg/L	0.0000000142	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.22	2.22	279	NA	µg/L	0.000000008	UJ
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	2.16	3.68	279	NA	µg/L	0.0000000132	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.15	12.9	279	NA	µg/L	0.0000000462	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	2.43	2.43	279	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.15	2.15	279	NA	µg/L	0.000000008	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	2.3	2.3	279	NA	µg/L	0.000000008	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.67	2.67	279	NA	µg/L	0.000000010	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	2.36	4.39	279	NA	µg/L	0.0000000157	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	2.41	2.41	279	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.61	2.61	279	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.71	2.71	279	NA	µg/L	0.000000010	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.01	93.5	279	NA	µg/L	0.000000335	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.31	681	279	NA	µg/L	0.00000244	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.28	51.5	279	NA	µg/L	0.000000185	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.17	129	279	NA	µg/L	0.000000462	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3.75	77.2	279	NA	µg/L	0.000000277	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5.13	2,460	279	NA	µg/L	0.00000882	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.35	2.35	279	NA	µg/L	0.000000008	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.67	15	279	NA	µg/L	0.0000000538	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.71	2.71	279	NA	µg/L	0.000000010	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	2.61	2.61	279	NA	µg/L	0.000000009	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	10.9	279	0.00051	pg/L	0.0391	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	1,130	1,130	270	NA	µg/L	0.00000419	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	672	672	270	NA	µg/L	0.00000249	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	828	828	270	NA	µg/L	0.00000307	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	828	828	270	0.031	ng/L	0.0031	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	488	488	270	NA	µg/L	0.00000181	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	505	1,650	270	NA	µg/L	0.00000611	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	1,890	270	0.018	ng/L	0.0070	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	1,370	1,370	270	NA	µg/L	0.00000507	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	1,350	3,560	270	NA	µg/L	0.0000132	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	4,250	270	0.022	ng/L	0.0157	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	6,890	270	10	ng/L	0.0255	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	12.7	12.7	270	NA	µg/L	0.0000000470	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	6.97	6.97	270	NA	µg/L	0.0000000258	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	11.2	237	270	NA	µg/L	0.000000878	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5.61	5.61	270	NA	µg/L	0.0000000208	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	6.19	6.19	270	NA	µg/L	0.0000000229	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	52.7	52.7	270	NA	µg/L	0.000000195	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	9.5	6,760	270	NA	µg/L	0.0000250	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	7.76	7.76	270	NA	µg/L	0.0000000287	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10.5	10.5	270	NA	µg/L	0.0000000389	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10.1	10.1	270	NA	µg/L	0.0000000374	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	12.2	12.2	270	NA	µg/L	0.0000000452	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	11.1	11.1	270	NA	µg/L	0.0000000411	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5.64	5.64	270	NA	µg/L	0.0000000209	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	11	11	270	NA	µg/L	0.0000000407	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	12.2	12.2	270	NA	µg/L	0.0000000452	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	12	12	270	NA	µg/L	0.0000000444	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	43.3	524	270	NA	µg/L	0.00000194	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	37.5	137	270	NA	µg/L	0.000000507	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	37.2	66.2	270	NA	µg/L	0.000000245	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	34	424	270	NA	µg/L	0.00000157	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	34.3	251	270	NA	µg/L	0.000000930	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	37.5	37.5	270	NA	µg/L	0.000000139	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	8.32	41.9	270	NA	µg/L	0.000000155	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	11	74.6	270	NA	µg/L	0.000000276	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	7.15	127	270	NA	µg/L	0.000000470	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	30.3	845	270	NA	µg/L	0.00000313	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	30.7	30.7	270	NA	µg/L	0.000000114	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	32.9	32.9	270	NA	µg/L	0.000000122	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	34.2	253	270	NA	µg/L	0.000000937	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	7.85	7.85	270	NA	µg/L	0.0000000291	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	37.3	31.9	270	NA	µg/L	0.000000118	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	30.1	465	270	NA	µg/L	0.00000172	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	6.9	6.9	270	NA	µg/L	0.0000000256	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	7.97	7.97	270	NA	µg/L	0.0000000295	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	38.4	38.4	270	NA	µg/L	0.000000142	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	28.4	82.4	270	NA	µg/L	0.000000305	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	28.8	28.8	270	NA	µg/L	0.000000107	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	25.1	25.1	270	NA	µg/L	0.0000000930	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	54.7	503	270	NA	µg/L	0.00000186	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	19.5	224	270	NA	µg/L	0.000000830	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	15.4	3,050	270	NA	µg/L	0.0000113	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	17.2	1,100	270	NA	µg/L	0.00000407	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	18.2	59.1	270	NA	µg/L	0.000000219	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	15.7	22.6	270	NA	µg/L	0.0000000837	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	16	888	270	NA	µg/L	0.00000329	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	22.3	192	270	NA	µg/L	0.000000711	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	8.83	328	270	NA	µg/L	0.00000121	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	18.3	130	270	NA	µg/L	0.000000481	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	15.1	54.9	270	NA	µg/L	0.000000203	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	16.9	510	270	NA	µg/L	0.00000189	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	13.8	345	270	NA	µg/L	0.00000128	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	15.2	51.2	270	NA	µg/L	0.000000190	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	17.9	17.9	270	NA	µg/L	0.0000000663	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	16.2	121	270	NA	µg/L	0.000000448	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	16.2	16.2	270	NA	µg/L	0.0000000600	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	14.6	2,030	270	NA	µg/L	0.00000752	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	7.83	7.83	270	NA	µg/L	0.0000000290	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	8.26	8.26	270	NA	µg/L	0.0000000306	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	7.44	7.44	270	NA	µg/L	0.0000000276	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	12.3	1,910	270	NA	µg/L	0.00000707	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	15.4	26.4	270	NA	µg/L	0.0000000978	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	7.25	7.25	270	NA	µg/L	0.0000000269	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	63.8	377	270	NA	µg/L	0.00000140	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	11.7	304	270	NA	µg/L	0.00000113	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	41.2	41.2	270	NA	µg/L	0.000000153	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	49.2	49.2	270	NA	µg/L	0.000000182	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	13.5	13.5	270	NA	µg/L	0.0000000500	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	11.2	11.2	270	NA	µg/L	0.0000000415	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	10.9	189	270	NA	µg/L	0.000000700	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	13.1	13.1	270	NA	µg/L	0.0000000485	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	78.1	78.1	270	NA	µg/L	0.000000289	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	6.58	72.4	270	NA	µg/L	0.000000268	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	69.9	99.3	270	NA	µg/L	0.000000368	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	100	99.3	270	NA	µg/L	0.000000368	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	41.1	41.1	270	NA	µg/L	0.000000152	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	39.4	39.4	270	NA	µg/L	0.000000146	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	60.1	564	270	NA	µg/L	0.00000209	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	109	185	270	NA	µg/L	0.000000685	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	32.1	82.1	270	NA	µg/L	0.000000304	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	111	111	270	NA	µg/L	0.000000411	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	23.5	23.5	270	NA	µg/L	0.0000000870	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	27.6	149	270	NA	µg/L	0.000000552	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	22.9	22.9	270	NA	µg/L	0.0000000848	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	25	28	270	NA	µg/L	0.000000104	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	22.8	40.2	270	NA	µg/L	0.000000149	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	25.5	80.5	270	NA	µg/L	0.000000298	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	21.8	21.8	270	NA	µg/L	0.0000000807	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	97.5	97.5	270	NA	µg/L	0.000000361	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	47.9	103	270	NA	µg/L	0.000000381	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	36.2	313	270	NA	µg/L	0.00000116	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	48.4	147	270	NA	µg/L	0.000000544	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	42.6	966	270	NA	µg/L	0.00000358	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	29.9	395	270	NA	µg/L	0.00000146	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	28.5	1,960	270	NA	µg/L	0.00000726	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	31.4	3,040	270	NA	µg/L	0.0000113	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	35.1	35.1	270	NA	µg/L	0.000000130	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	36.5	36.5	270	NA	µg/L	0.000000135	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	35.6	35.6	270	NA	µg/L	0.000000132	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	39	402	270	NA	µg/L	0.00000149	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	38.3	581	270	NA	µg/L	0.00000215	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	42.9	42.9	270	NA	µg/L	0.000000159	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	37.7	37.7	270	NA	µg/L	0.000000140	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	36.4	2,750	270	NA	µg/L	0.0000102	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	4.73	16.3	270	NA	µg/L	0.0000000604	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	24.6	875	270	NA	µg/L	0.00000324	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	28	56.3	270	NA	µg/L	0.000000209	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	34.9	34.9	270	NA	µg/L	0.000000129	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	4.67	4.67	270	NA	µg/L	0.0000000173	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	26.9	884	270	NA	µg/L	0.00000327	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	24.7	87.8	270	NA	µg/L	0.000000325	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	24.4	24.4	270	NA	µg/L	0.0000000904	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	28.3	28.3	270	NA	µg/L	0.000000105	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	22.8	142	270	NA	µg/L	0.000000526	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20.7	2,630	270	NA	µg/L	0.00000974	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	25.9	25.9	270	NA	µg/L	0.0000000959	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	22.5	22.5	270	NA	µg/L	0.0000000833	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	22.7	22.7	270	NA	µg/L	0.0000000841	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	24.5	33	270	NA	µg/L	0.000000122	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	22.4	2,020	270	NA	µg/L	0.00000748	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	25.4	25.4	270	NA	µg/L	0.0000000941	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20.5	20.5	270	NA	µg/L	0.0000000759	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	27.1	67.3	270	NA	µg/L	0.000000249	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	23.5	23.5	270	NA	µg/L	0.0000000870	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	26.8	26.8	270	NA	µg/L	0.0000000993	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	25.7	25.7	270	NA	µg/L	0.0000000952	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	22.5	1,480	270	NA	µg/L	0.00000548	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	18.2	7,600	270	NA	µg/L	0.0000281	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	14.7	328	270	NA	µg/L	0.00000121	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	19.1	220	270	NA	µg/L	0.000000815	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	21.6	116	270	NA	µg/L	0.000000430	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	14.5	1,060	270	NA	µg/L	0.00000393	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	16.2	17.8	270	NA	µg/L	0.0000000659	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20.3	50.6	270	NA	µg/L	0.000000187	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	21.7	159	270	NA	µg/L	0.000000589	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	14.2	561	270	NA	µg/L	0.00000208	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	17.1	161	270	NA	µg/L	0.000000596	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	14.9	14.9	270	NA	µg/L	0.0000000552	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	16.1	114	270	NA	µg/L	0.000000422	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	14.6	1,770	270	NA	µg/L	0.00000656	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	9.99	9.99	270	NA	µg/L	0.0000000370	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	22.4	259	270	NA	µg/L	0.000000959	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	21.6	21.6	270	NA	µg/L	0.0000000800	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	21.1	21.1	270	NA	µg/L	0.0000000781	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	23.5	23.5	270	NA	µg/L	0.0000000870	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	12.6	61.1	270	NA	µg/L	0.000000226	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	26.7	146	270	NA	µg/L	0.000000541	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	22.1	542	270	NA	µg/L	0.00000201	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	25.9	25.9	270	NA	µg/L	0.0000000959	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	23.8	23.8	270	NA	µg/L	0.0000000881	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20.8	20.8	270	NA	µg/L	0.0000000770	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	12.7	408	270	NA	µg/L	0.00000151	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	22.7	22.7	270	NA	µg/L	0.0000000841	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	11.9	11.9	270	NA	µg/L	0.0000000441	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	27.3	105	270	NA	µg/L	0.000000389	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20.1	20.1	270	NA	µg/L	0.0000000744	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	23.3	23.3	270	NA	µg/L	0.0000000863	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	22.3	22.3	270	NA	µg/L	0.0000000826	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	23.1	23.1	270	NA	µg/L	0.0000000856	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	30.3	3,320	270	NA	µg/L	0.0000123	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	49.3	12,500	270	NA	µg/L	0.0000463	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	21.3	17,400	270	NA	µg/L	0.0000644	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	15.4	3,090	270	NA	µg/L	0.0000114	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	14.8	177	270	NA	µg/L	0.000000656	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	14	14	270	NA	µg/L	0.0000000519	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	9.52	9.52	270	NA	µg/L	0.0000000353	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	13.7	13.7	270	NA	µg/L	0.0000000507	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	16.6	600	270	NA	µg/L	0.00000222	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	15.8	228	270	NA	µg/L	0.000000844	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	17.1	384	270	NA	µg/L	0.00000142	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	14.8	46.5	270	NA	µg/L	0.000000172	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	18	18	270	NA	µg/L	0.0000000667	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	18.1	18.1	270	NA	µg/L	0.0000000670	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	17.5	122	270	NA	µg/L	0.000000452	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	9.54	9.54	270	NA	µg/L	0.0000000353	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	9.83	9.83	270	NA	µg/L	0.0000000364	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	15.5	544	270	NA	µg/L	0.00000201	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	9.02	110	270	NA	µg/L	0.000000407	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	17	103	270	NA	µg/L	0.000000381	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	15.1	46.4	270	NA	µg/L	0.000000172	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	17.2	239	270	NA	µg/L	0.000000885	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	16.2	16.2	270	NA	µg/L	0.0000000600	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	16.5	16.5	270	NA	µg/L	0.0000000611	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	45,200	270	6.4	pg/L	167	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.28	37.1	270	NA	µg/L	0.000000137	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.29	153	270	NA	µg/L	0.000000567	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.7	2.7	270	NA	µg/L	0.0000000100	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.39	3.34	270	NA	µg/L	0.0000000124	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	3.18	6.14	270	NA	µg/L	0.0000000227	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.42	3.01	270	NA	µg/L	0.0000000111	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.81	6.92	270	NA	µg/L	0.0000000256	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.58	1.58	270	NA	µg/L	0.000000006	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.94	5.13	270	NA	µg/L	0.0000000190	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.32	1.32	270	NA	µg/L	0.000000005	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.74	2.74	270	NA	µg/L	0.0000000101	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.49	4.05	270	NA	µg/L	0.0000000150	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.34	1.34	270	NA	µg/L	0.000000005	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.52	1.52	270	NA	µg/L	0.000000006	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3.1	3.1	270	NA	µg/L	0.0000000115	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.29	295	270	NA	µg/L	0.00000109	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.47	54.3	270	NA	µg/L	0.000000201	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	2.97	61.4	270	NA	µg/L	0.000000227	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	4.19	64.4	270	NA	µg/L	0.000000239	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	7.4	1,110	270	NA	µg/L	0.00000411	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.33	19.1	270	NA	µg/L	0.0000000707	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.74	2.74	270	NA	µg/L	0.0000000101	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.52	3.95	270	NA	µg/L	0.0000000146	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	3.1	3.1	270	NA	µg/L	0.0000000115	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.47	94.1	270	NA	µg/L	0.000000349	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	8.4	270	0.00051	pg/L	0.0311	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	1000	6,490	238.5	NA	µg/L	0.0000272	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	2,020	238.5	NA	µg/L	0.00000847	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	4,840	238.5	NA	µg/L	0.0000203	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	6,860	238.5	0.031	ng/L	0.0288	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1,070	238.5	NA	µg/L	0.00000449	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	11,100	238.5	NA	µg/L	0.0000465	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	12,200	238.5	0.018	ng/L	0.0512	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	11,400	238.5	NA	µg/L	0.0000478	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	56,600	238.5	NA	µg/L	0.000237	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	68,000	238.5	0.022	ng/L	0.285	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	87,000	238.5	10	ng/L	0.365	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	77.3	238.5	NA	µg/L	0.000000324	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	1,540	238.5	NA	µg/L	0.00000646	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	24,600	238.5	NA	µg/L	0.000103	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	51.9	238.5	NA	µg/L	0.000000218	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	2,660	238.5	NA	µg/L	0.0000112	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	614	238.5	NA	µg/L	0.00000257	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	424	238.5	NA	µg/L	0.00000178	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	2,210	238.5	NA	µg/L	0.00000927	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	1,190	238.5	NA	µg/L	0.00000499	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	279	238.5	NA	µg/L	0.00000117	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	464	238.5	NA	µg/L	0.00000195	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	923	238.5	NA	µg/L	0.00000387	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	5,250	238.5	NA	µg/L	0.0000220	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	1,290	238.5	NA	µg/L	0.00000541	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	2,030	238.5	NA	µg/L	0.00000851	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	484	238.5	NA	µg/L	0.00000203	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	1,570	238.5	NA	µg/L	0.00000658	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	701	238.5	NA	µg/L	0.00000294	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	11,100	238.5	NA	µg/L	0.0000465	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	3,290	238.5	NA	µg/L	0.0000138	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	115	238.5	NA	µg/L	0.000000482	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	143	238.5	NA	µg/L	0.000000600	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	2,600	238.5	NA	µg/L	0.0000109	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	554	238.5	NA	µg/L	0.00000232	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	529	238.5	NA	µg/L	0.00000222	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	113	238.5	NA	µg/L	0.000000474	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	1,980	238.5	NA	µg/L	0.00000830	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	1,150	238.5	NA	µg/L	0.00000482	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	414	238.5	NA	µg/L	0.00000174	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	6,530	238.5	NA	µg/L	0.0000274	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	6,990	238.5	NA	µg/L	0.0000293	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	76.5	238.5	NA	µg/L	0.000000321	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	1,330	238.5	NA	µg/L	0.00000558	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	1,240	238.5	NA	µg/L	0.00000520	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	20	753	238.5	NA	µg/L	0.00000316	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	413	238.5	NA	µg/L	0.00000173	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	946	238.5	NA	µg/L	0.00000397	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	696	238.5	NA	µg/L	0.00000292	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	250	238.5	NA	µg/L	0.00000105	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	5,750	238.5	NA	µg/L	0.0000241	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	1,270	238.5	NA	µg/L	0.00000532	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	838	238.5	NA	µg/L	0.00000351	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	496	238.5	NA	µg/L	0.00000208	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	1,560	238.5	NA	µg/L	0.00000654	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	157	238.5	NA	µg/L	0.000000658	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	208	238.5	NA	µg/L	0.000000872	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	289	238.5	NA	µg/L	0.00000121	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	925	238.5	NA	µg/L	0.00000388	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	442	238.5	NA	µg/L	0.00000185	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	747	238.5	NA	µg/L	0.00000313	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	949	238.5	NA	µg/L	0.00000398	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	238.5	NA	µg/L	0.000000419	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	3,590	238.5	NA	µg/L	0.0000151	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	219	238.5	NA	µg/L	0.000000918	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	356	238.5	NA	µg/L	0.00000149	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	8,440	238.5	NA	µg/L	0.0000354	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	97.1	238.5	NA	µg/L	0.000000407	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	5,750	238.5	NA	µg/L	0.0000241	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	238.5	NA	µg/L	0.000000335	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	22,000	238.5	NA	µg/L	0.0000922	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	347	238.5	NA	µg/L	0.00000145	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	238.5	NA	µg/L	0.000000252	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	895	238.5	NA	µg/L	0.00000375	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	238.5	NA	µg/L	0.000000252	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	579	238.5	NA	µg/L	0.00000243	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	580	238.5	NA	µg/L	0.00000243	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	75.3	238.5	NA	µg/L	0.000000316	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	17,800	238.5	NA	µg/L	0.0000746	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	42,800	238.5	NA	µg/L	0.000179	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	43,100	238.5	NA	µg/L	0.000181	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	17,900	238.5	NA	µg/L	0.0000751	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	3,610	238.5	NA	µg/L	0.0000151	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	1,200	238.5	NA	µg/L	0.00000503	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	2,210	238.5	NA	µg/L	0.00000927	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	3,070	238.5	NA	µg/L	0.0000129	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	534	238.5	NA	µg/L	0.00000224	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	101	238.5	NA	µg/L	0.000000423	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	1,380	238.5	NA	µg/L	0.00000579	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	104,000	238.5	6.4	pg/L	436	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	150	238.5	NA	µg/L	0.000000629	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	1,430	238.5	NA	µg/L	0.00000600	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	14.2	238.5	NA	µg/L	0.0000000595	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	13.9	238.5	NA	µg/L	0.0000000583	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	18.2	238.5	NA	µg/L	0.0000000763	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	10.6	238.5	NA	µg/L	0.0000000444	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	38.7	238.5	NA	µg/L	0.000000162	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	24.7	238.5	NA	µg/L	0.000000104	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	4.85	238.5	NA	µg/L	0.0000000203	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	9.05	238.5	NA	µg/L	0.0000000379	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	11.1	238.5	NA	µg/L	0.0000000465	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	11.1	238.5	NA	µg/L	0.0000000465	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	4.47	238.5	NA	µg/L	0.0000000187	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	238.5	NA	µg/L	0.0000000210	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	2,910	238.5	NA	µg/L	0.0000122	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	240	238.5	NA	µg/L	0.00000101	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	352	238.5	NA	µg/L	0.00000148	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	313	238.5	NA	µg/L	0.00000131	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	11,400	238.5	NA	µg/L	0.0000478	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	153	238.5	NA	µg/L	0.000000642	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	54.4	238.5	NA	µg/L	0.000000228	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	87.1	238.5	NA	µg/L	0.000000365	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	8.45	238.5	NA	µg/L	0.0000000354	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	383	238.5	NA	µg/L	0.00000161	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	47.9	238.5	0.00051	pg/L	0.201	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	1000	707	220.5	NA	µg/L	0.00000321	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	2,000	220.5	NA	µg/L	0.00000907	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	556	220.5	NA	µg/L	0.00000252	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,560	220.5	0.031	ng/L	0.0071	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	220.5	NA	µg/L	0.00000454	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	1000	1,310	220.5	NA	µg/L	0.00000594	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	1,810	220.5	0.018	ng/L	0.0082	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	723	220.5	NA	µg/L	0.00000328	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	3,160	220.5	NA	µg/L	0.0000143	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	3,880	220.5	0.022	ng/L	0.0176	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	7,250	220.5	10	ng/L	0.0329	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	4.35	4.35	220.5	NA	µg/L	0.0000000197	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	2.83	2.83	220.5	NA	µg/L	0.0000000128	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	4.44	87.3	220.5	NA	µg/L	0.000000396	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	2.19	14	220.5	NA	µg/L	0.0000000635	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	2.57	2.57	220.5	NA	µg/L	0.0000000117	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	11.1	78.2	220.5	NA	µg/L	0.000000355	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	4.41	6,180	220.5	NA	µg/L	0.0000280	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	4.39	4.39	220.5	NA	µg/L	0.0000000199	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3.56	14	220.5	NA	µg/L	0.0000000635	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3.49	74.5	220.5	NA	µg/L	0.000000338	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	4.13	4.13	220.5	NA	µg/L	0.0000000187	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3.72	6.97	220.5	NA	µg/L	0.0000000316	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	2.96	2.96	220.5	NA	µg/L	0.0000000134	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3.74	5,960	220.5	NA	µg/L	0.0000270	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	4.36	4.36	220.5	NA	µg/L	0.0000000198	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	4.33	4.33	220.5	NA	µg/L	0.0000000196	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	32.6	326	220.5	NA	µg/L	0.00000148	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	30.8	105	220.5	NA	µg/L	0.000000476	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	28.7	64	220.5	NA	µg/L	0.000000290	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	27.9	451	220.5	NA	µg/L	0.00000205	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	27.7	189	220.5	NA	µg/L	0.000000857	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	29.3	29.3	220.5	NA	µg/L	0.000000133	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3.88	33.1	220.5	NA	µg/L	0.000000150	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	4.81	45	220.5	NA	µg/L	0.000000204	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3.37	99.7	220.5	NA	µg/L	0.000000452	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	25	698	220.5	NA	µg/L	0.00000317	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	24.8	24.8	220.5	NA	µg/L	0.000000112	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	25.8	25.8	220.5	NA	µg/L	0.000000117	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	26	235	220.5	NA	µg/L	0.00000107	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3.63	3.63	220.5	NA	µg/L	0.0000000165	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	31.9	31.9	220.5	NA	µg/L	0.000000145	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	24.6	459	220.5	NA	µg/L	0.00000208	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3.24	3.24	220.5	NA	µg/L	0.0000000147	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	4.09	4.09	220.5	NA	µg/L	0.0000000185	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	38.6	38.6	220.5	NA	µg/L	0.000000175	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	24.4	24.4	220.5	NA	µg/L	0.000000111	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	23.3	23.3	220.5	NA	µg/L	0.000000106	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20.2	20.2	220.5	NA	µg/L	0.0000000916	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	71	238	220.5	NA	µg/L	0.00000108	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	9.81	74.8	220.5	NA	µg/L	0.000000339	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	8.15	1,220	220.5	NA	µg/L	0.00000553	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	8.55	422	220.5	NA	µg/L	0.00000191	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	8.98	8.98	220.5	NA	µg/L	0.0000000407	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	7.87	7.87	220.5	NA	µg/L	0.0000000357	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	8.5	472	220.5	NA	µg/L	0.00000214	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	9.42	74.1	220.5	NA	µg/L	0.000000336	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3.9	133	220.5	NA	µg/L	0.000000603	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	9.48	9.48	220.5	NA	µg/L	0.0000000430	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	8.1	8.1	220.5	NA	µg/L	0.0000000367	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	8.45	348	220.5	NA	µg/L	0.00000158	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	6.92	163	220.5	NA	µg/L	0.000000739	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	8.92	29.4	220.5	NA	µg/L	0.000000133	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	8.98	8.98	220.5	NA	µg/L	0.0000000407	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	8.23	57.8	220.5	NA	µg/L	0.000000262	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	8.25	8.25	220.5	NA	µg/L	0.0000000374	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	7.86	998	220.5	NA	µg/L	0.00000453	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3.51	3.51	220.5	NA	µg/L	0.0000000159	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3.65	3.65	220.5	NA	µg/L	0.0000000166	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3.33	3.33	220.5	NA	µg/L	0.0000000151	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	6.63	844	220.5	NA	µg/L	0.00000383	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	7.86	7.86	220.5	NA	µg/L	0.0000000356	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3.69	3.69	220.5	NA	µg/L	0.0000000167	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	82.6	193	220.5	NA	µg/L	0.000000875	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	6.23	119	220.5	NA	µg/L	0.000000540	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	52.8	52.8	220.5	NA	µg/L	0.000000239	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	61.9	61.9	220.5	NA	µg/L	0.000000281	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	6.8	6.8	220.5	NA	µg/L	0.0000000308	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	6.11	6.11	220.5	NA	µg/L	0.0000000277	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	5.83	110	220.5	NA	µg/L	0.000000499	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	6.9	6.9	220.5	NA	µg/L	0.0000000313	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	124	124	220.5	NA	µg/L	0.000000562	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	2.7	34.7	220.5	NA	µg/L	0.000000157	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	39.4	122	220.5	NA	µg/L	0.000000553	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	45.7	122	220.5	NA	µg/L	0.000000553	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	30.9	30.9	220.5	NA	µg/L	0.000000140	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	33.1	33.1	220.5	NA	µg/L	0.000000150	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	22.5	555	220.5	NA	µg/L	0.00000252	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	36.3	157	220.5	NA	µg/L	0.000000712	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10.6	59.8	220.5	NA	µg/L	0.000000271	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	39	55.2	220.5	NA	µg/L	0.000000250	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	7.85	7.85	220.5	NA	µg/L	0.0000000356	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	9.68	113	220.5	NA	µg/L	0.000000512	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	9.28	22.7	220.5	NA	µg/L	0.000000103	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	9.06	28.8	220.5	NA	µg/L	0.000000131	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	9.35	45.4	220.5	NA	µg/L	0.000000206	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	8.73	73.2	220.5	NA	µg/L	0.000000332	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	7.95	7.95	220.5	NA	µg/L	0.0000000361	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	35.6	35.6	220.5	NA	µg/L	0.000000161	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	65.5	65.5	220.5	NA	µg/L	0.000000297	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	27.8	117	220.5	NA	µg/L	0.000000531	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	34.4	34.4	220.5	NA	µg/L	0.000000156	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	30.9	267	220.5	NA	µg/L	0.00000121	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	23.7	111	220.5	NA	µg/L	0.000000503	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	24.2	687	220.5	NA	µg/L	0.00000312	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	26.2	1000	220.5	NA	µg/L	0.00000454	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	27.1	27.1	220.5	NA	µg/L	0.000000123	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	30.5	30.5	220.5	NA	µg/L	0.000000138	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	24.5	24.5	220.5	NA	µg/L	0.000000111	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	28.5	120	220.5	NA	µg/L	0.000000544	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	29.4	185	220.5	NA	µg/L	0.000000839	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	33	33	220.5	NA	µg/L	0.000000150	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	30	30	220.5	NA	µg/L	0.000000136	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	28.8	809	220.5	NA	µg/L	0.00000367	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	1.41	4.13	220.5	NA	µg/L	0.0000000187	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20.9	309	220.5	NA	µg/L	0.00000140	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	25.9	25.9	220.5	NA	µg/L	0.000000117	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	27.6	27.6	220.5	NA	µg/L	0.000000125	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	1.54	1.54	220.5	NA	µg/L	0.000000007	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	27.7	344	220.5	NA	µg/L	0.00000156	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	20.9	29.7	220.5	NA	µg/L	0.000000135	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	19.7	19.7	220.5	NA	µg/L	0.0000000893	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	27.1	27.1	220.5	NA	µg/L	0.000000123	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	19	32.4	220.5	NA	µg/L	0.000000147	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	21	1,150	220.5	NA	µg/L	0.00000522	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20.8	20.8	220.5	NA	µg/L	0.0000000943	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	18.8	18.8	220.5	NA	µg/L	0.0000000853	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	24.6	24.6	220.5	NA	µg/L	0.000000112	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	21.7	25	220.5	NA	µg/L	0.000000113	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	23.9	716	220.5	NA	µg/L	0.00000325	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	17.4	17.4	220.5	NA	µg/L	0.0000000789	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	17.1	17.1	220.5	NA	µg/L	0.0000000776	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	23.1	23.1	220.5	NA	µg/L	0.000000105	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	19	19	220.5	NA	µg/L	0.0000000862	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	50.1	50.1	220.5	NA	µg/L	0.000000227	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	24.7	24.7	220.5	NA	µg/L	0.000000112	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	22.6	573	220.5	NA	µg/L	0.00000260	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	14.4	2,820	220.5	NA	µg/L	0.0000128	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	7.74	163	220.5	NA	µg/L	0.000000739	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	8.54	92.6	220.5	NA	µg/L	0.000000420	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10	25.8	220.5	NA	µg/L	0.000000117	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	7.52	414	220.5	NA	µg/L	0.00000188	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	8.06	13.8	220.5	NA	µg/L	0.0000000626	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	9.64	20.6	220.5	NA	µg/L	0.0000000934	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	9.5	41.4	220.5	NA	µg/L	0.000000188	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	7.13	194	220.5	NA	µg/L	0.000000880	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	8.23	72.6	220.5	NA	µg/L	0.000000329	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	7.65	24.4	220.5	NA	µg/L	0.000000111	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	7.91	43.4	220.5	NA	µg/L	0.000000197	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	6.78	411	220.5	NA	µg/L	0.00000186	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	1.61	1.61	220.5	NA	µg/L	0.000000007	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	21.9	117	220.5	NA	µg/L	0.000000531	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20.8	20.8	220.5	NA	µg/L	0.0000000943	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20.4	20.4	220.5	NA	µg/L	0.0000000925	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	23.1	23.1	220.5	NA	µg/L	0.000000105	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	6.67	34.4	220.5	NA	µg/L	0.000000156	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	25.3	77.2	220.5	NA	µg/L	0.000000350	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20.6	253	220.5	NA	µg/L	0.00000115	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	25.3	25.3	220.5	NA	µg/L	0.000000115	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	23.1	23.1	220.5	NA	µg/L	0.000000105	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20.5	20.5	220.5	NA	µg/L	0.0000000930	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	6.37	172	220.5	NA	µg/L	0.000000780	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	21.8	21.8	220.5	NA	µg/L	0.0000000989	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5.88	5.88	220.5	NA	µg/L	0.0000000267	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	28.8	71.1	220.5	NA	µg/L	0.000000322	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	19.6	19.6	220.5	NA	µg/L	0.0000000889	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	23	23	220.5	NA	µg/L	0.000000104	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	21.7	21.7	220.5	NA	µg/L	0.0000000984	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	27	27	220.5	NA	µg/L	0.000000122	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	25.2	2,710	220.5	NA	µg/L	0.0000123	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	68.9	5,500	220.5	NA	µg/L	0.0000249	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	24.9	5,900	220.5	NA	µg/L	0.0000268	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	4.71	1,540	220.5	NA	µg/L	0.00000698	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3.31	74.7	220.5	NA	µg/L	0.000000339	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3.14	71.3	220.5	NA	µg/L	0.000000323	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	2.31	122	220.5	NA	µg/L	0.000000553	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3.21	3.21	220.5	NA	µg/L	0.0000000146	UJ
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5.95	259	220.5	NA	µg/L	0.00000117	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5.69	94.3	220.5	NA	µg/L	0.000000428	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	6.14	162	220.5	NA	µg/L	0.000000735	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5.3	19.9	220.5	NA	µg/L	0.0000000902	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	6.66	6.66	220.5	NA	µg/L	0.0000000302	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	6.54	6.54	220.5	NA	µg/L	0.0000000297	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	6.51	53.3	220.5	NA	µg/L	0.000000242	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	2.32	2.32	220.5	NA	µg/L	0.0000000105	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	2.35	13.2	220.5	NA	µg/L	0.0000000599	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5.28	194	220.5	NA	µg/L	0.000000880	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	2.16	52.4	220.5	NA	µg/L	0.000000238	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	6.23	161	220.5	NA	µg/L	0.000000730	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5.48	138	220.5	NA	µg/L	0.000000626	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	6.21	112	220.5	NA	µg/L	0.000000508	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	6.02	6.02	220.5	NA	µg/L	0.0000000273	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	6.06	6.06	220.5	NA	µg/L	0.0000000275	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	26,100	220.5	6.4	pg/L	118	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.34	35.6	220.5	NA	µg/L	0.000000161	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.44	120	220.5	NA	µg/L	0.000000544	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.52	2.52	220.5	NA	µg/L	0.0000000114	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.67	2.45	220.5	NA	µg/L	0.0000000111	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	1.42	1.42	220.5	NA	µg/L	0.000000006	UJ
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.55	2.75	220.5	NA	µg/L	0.0000000125	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.35	5.8	220.5	NA	µg/L	0.0000000263	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.78	1.78	220.5	NA	µg/L	0.000000008	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.33	1.33	220.5	NA	µg/L	0.000000006	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.94	1.94	220.5	NA	µg/L	0.000000009	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.42	2.42	220.5	NA	µg/L	0.0000000110	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.71	2.72	220.5	NA	µg/L	0.0000000123	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.83	1.83	220.5	NA	µg/L	0.000000008	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.78	1.78	220.5	NA	µg/L	0.000000008	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	1.98	1.98	220.5	NA	µg/L	0.000000009	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.42	87.4	220.5	NA	µg/L	0.000000396	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.44	238	220.5	NA	µg/L	0.00000108	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.67	43.9	220.5	NA	µg/L	0.000000199	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.36	54.3	220.5	NA	µg/L	0.000000246	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3.23	70.3	220.5	NA	µg/L	0.000000319	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	2.78	819	220.5	NA	µg/L	0.00000371	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.88	1.88	220.5	NA	µg/L	0.000000009	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.42	2.42	220.5	NA	µg/L	0.0000000110	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.98	1.98	220.5	NA	µg/L	0.000000009	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	1.78	1.78	220.5	NA	µg/L	0.000000008	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	6	220.5	0.00051	pg/L	0.0272	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	2,160	4,710	310.5	NA	µg/L	0.0000152	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,130	1,130	310.5	NA	µg/L	0.00000364	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	1,290	2,600	310.5	NA	µg/L	0.00000837	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	3,170	310.5	0.031	ng/L	0.0102	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	759	759	310.5	NA	µg/L	0.00000244	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	762	7,650	310.5	NA	µg/L	0.0000246	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	8,030	310.5	0.018	ng/L	0.0259	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	3,010	5,140	310.5	NA	µg/L	0.0000166	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	2,810	24,000	310.5	NA	µg/L	0.0000773	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	29,100	310.5	0.022	ng/L	0.0937	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	40,300	310.5	10	ng/L	0.130	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	10.8	13.5	310.5	NA	µg/L	0.0000000435	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	5.53	5.53	310.5	NA	µg/L	0.0000000178	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	9.6	489	310.5	NA	µg/L	0.00000157	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5.31	5.31	310.5	NA	µg/L	0.0000000171	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	6.02	6.02	310.5	NA	µg/L	0.0000000194	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	133	506	310.5	NA	µg/L	0.00000163	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	7.25	16,100	310.5	NA	µg/L	0.0000519	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	4.91	4.91	310.5	NA	µg/L	0.0000000158	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	9.09	124	310.5	NA	µg/L	0.000000399	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	8.88	495	310.5	NA	µg/L	0.00000159	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10.6	10.6	310.5	NA	µg/L	0.0000000341	UJ
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	9.64	34.1	310.5	NA	µg/L	0.000000110	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3.51	12.1	310.5	NA	µg/L	0.0000000390	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	9.23	14,600	310.5	NA	µg/L	0.0000470	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10.4	114	310.5	NA	µg/L	0.000000367	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10.4	10.4	310.5	NA	µg/L	0.0000000335	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	100	2,470	310.5	NA	µg/L	0.00000795	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	112	593	310.5	NA	µg/L	0.00000191	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	112	367	310.5	NA	µg/L	0.00000118	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	99.1	2,750	310.5	NA	µg/L	0.00000886	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	101	1,450	310.5	NA	µg/L	0.00000467	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	106	106	310.5	NA	µg/L	0.000000341	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	14.8	183	310.5	NA	µg/L	0.000000589	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	19.7	300	310.5	NA	µg/L	0.000000966	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	12.8	566	310.5	NA	µg/L	0.00000182	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	94.3	4,720	310.5	NA	µg/L	0.0000152	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	88.8	229	310.5	NA	µg/L	0.000000738	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	98.4	98.4	310.5	NA	µg/L	0.000000317	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	93.7	633	310.5	NA	µg/L	0.00000204	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	13.8	13.8	310.5	NA	µg/L	0.0000000444	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	121	638	310.5	NA	µg/L	0.00000205	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	86.9	2,350	310.5	NA	µg/L	0.00000757	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	12.8	12.8	310.5	NA	µg/L	0.0000000412	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	14.3	14.3	310.5	NA	µg/L	0.0000000461	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	165	165	310.5	NA	µg/L	0.000000531	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	72.9	422	310.5	NA	µg/L	0.00000136	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	90.7	90.7	310.5	NA	µg/L	0.000000292	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	78.9	78.9	310.5	NA	µg/L	0.000000254	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	90.7	90.7	310.5	NA	µg/L	0.000000292	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	78.9	78.9	310.5	NA	µg/L	0.000000254	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	244	1,620	310.5	NA	µg/L	0.00000522	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	52.7	408	310.5	NA	µg/L	0.00000131	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	41.3	9,060	310.5	NA	µg/L	0.0000292	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	45.6	3,650	310.5	NA	µg/L	0.0000118	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	47.4	171	310.5	NA	µg/L	0.000000551	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	41.2	41.2	310.5	NA	µg/L	0.000000133	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	41.2	3,210	310.5	NA	µg/L	0.0000103	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	48.4	1,440	310.5	NA	µg/L	0.00000464	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	17.4	811	310.5	NA	µg/L	0.00000261	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	47.9	457	310.5	NA	µg/L	0.00000147	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	39.7	145	310.5	NA	µg/L	0.000000467	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	44.6	2,190	310.5	NA	µg/L	0.00000705	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	35.3	968	310.5	NA	µg/L	0.00000312	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	45.6	116	310.5	NA	µg/L	0.000000374	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	49	49	310.5	NA	µg/L	0.000000158	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	42.9	471	310.5	NA	µg/L	0.00000152	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	41.9	41.9	310.5	NA	µg/L	0.000000135	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	37.9	6,510	310.5	NA	µg/L	0.0000210	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	15.2	15.2	310.5	NA	µg/L	0.0000000490	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	16.5	16.5	310.5	NA	µg/L	0.0000000531	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	14.2	14.2	310.5	NA	µg/L	0.0000000457	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	32.5	5,310	310.5	NA	µg/L	0.0000171	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	39.9	75.5	310.5	NA	µg/L	0.000000243	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	14.4	14.4	310.5	NA	µg/L	0.0000000464	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	240	970	310.5	NA	µg/L	0.00000312	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	31.8	936	310.5	NA	µg/L	0.00000301	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	188	188	310.5	NA	µg/L	0.000000605	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	226	226	310.5	NA	µg/L	0.000000728	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	34	34	310.5	NA	µg/L	0.000000110	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	29.8	108	310.5	NA	µg/L	0.000000348	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	30	786	310.5	NA	µg/L	0.00000253	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	35.1	35.1	310.5	NA	µg/L	0.000000113	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	316	316	310.5	NA	µg/L	0.00000102	UJ
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	5.77	166	310.5	NA	µg/L	0.000000535	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	92.5	528	310.5	NA	µg/L	0.00000170	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	109	528	310.5	NA	µg/L	0.00000170	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	81.7	81.7	310.5	NA	µg/L	0.000000263	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	75.7	75.7	310.5	NA	µg/L	0.000000244	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	96.6	3,750	310.5	NA	µg/L	0.0000121	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	166	928	310.5	NA	µg/L	0.00000299	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	60.2	497	310.5	NA	µg/L	0.00000160	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	159	250	310.5	NA	µg/L	0.000000805	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	37.7	37.7	310.5	NA	µg/L	0.000000121	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	48.4	986	310.5	NA	µg/L	0.00000318	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	39.2	39.2	310.5	NA	µg/L	0.000000126	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	40.2	140	310.5	NA	µg/L	0.000000451	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	36.1	217	310.5	NA	µg/L	0.000000699	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	45.7	730	310.5	NA	µg/L	0.00000235	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	35.9	35.9	310.5	NA	µg/L	0.000000116	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	157	157	310.5	NA	µg/L	0.000000506	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	217	364	310.5	NA	µg/L	0.00000117	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	73.3	734	310.5	NA	µg/L	0.00000236	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	87	376	310.5	NA	µg/L	0.00000121	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	86.7	2,460	310.5	NA	µg/L	0.00000792	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60.1	739	310.5	NA	µg/L	0.00000238	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	57.6	4,620	310.5	NA	µg/L	0.0000149	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	63.1	7,040	310.5	NA	µg/L	0.0000227	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	71.1	86.8	310.5	NA	µg/L	0.000000280	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	81.2	775	310.5	NA	µg/L	0.00000250	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	65.1	65.1	310.5	NA	µg/L	0.000000210	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	71.2	194	310.5	NA	µg/L	0.000000625	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	76.7	1,420	310.5	NA	µg/L	0.00000457	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	84.8	84.8	310.5	NA	µg/L	0.000000273	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	74.2	74.2	310.5	NA	µg/L	0.000000239	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	75.2	7,300	310.5	NA	µg/L	0.0000235	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	6.37	6.37	310.5	NA	µg/L	0.0000000205	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	54.2	2,040	310.5	NA	µg/L	0.00000657	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	62.8	202	310.5	NA	µg/L	0.000000651	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	70	70	310.5	NA	µg/L	0.000000225	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	6.38	6.38	310.5	NA	µg/L	0.0000000205	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	90.7	2,160	310.5	NA	µg/L	0.00000696	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	50.3	191	310.5	NA	µg/L	0.000000615	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	49.9	49.9	310.5	NA	µg/L	0.000000161	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	81.7	81.7	310.5	NA	µg/L	0.000000263	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	47.8	223	310.5	NA	µg/L	0.000000718	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	45.1	7,350	310.5	NA	µg/L	0.0000237	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	52	52	310.5	NA	µg/L	0.000000167	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	44.7	55.5	310.5	NA	µg/L	0.000000179	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	67.1	67.1	310.5	NA	µg/L	0.000000216	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	51.5	161	310.5	NA	µg/L	0.000000519	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	58.9	4,140	310.5	NA	µg/L	0.0000133	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	47.6	47.6	310.5	NA	µg/L	0.000000153	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	42.1	42.1	310.5	NA	µg/L	0.000000136	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	57.9	57.9	310.5	NA	µg/L	0.000000186	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	46.8	46.8	310.5	NA	µg/L	0.000000151	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	171	171	310.5	NA	µg/L	0.000000551	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	87.7	87.7	310.5	NA	µg/L	0.000000282	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	62.7	3,760	310.5	NA	µg/L	0.0000121	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	41.9	20,700	310.5	NA	µg/L	0.0000667	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	29.1	1,180	310.5	NA	µg/L	0.00000380	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	36.8	737	310.5	NA	µg/L	0.00000237	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	41.3	258	310.5	NA	µg/L	0.000000831	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	28.1	3,120	310.5	NA	µg/L	0.0000100	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	31.5	99.7	310.5	NA	µg/L	0.000000321	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	39.9	171	310.5	NA	µg/L	0.000000551	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	43.4	372	310.5	NA	µg/L	0.00000120	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	27.2	1,450	310.5	NA	µg/L	0.00000467	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	32.8	522	310.5	NA	µg/L	0.00000168	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	28.4	307	310.5	NA	µg/L	0.000000989	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	31.2	356	310.5	NA	µg/L	0.00000115	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	28.1	3,510	310.5	NA	µg/L	0.0000113	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	8.63	8.63	310.5	NA	µg/L	0.0000000278	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	61.4	740	310.5	NA	µg/L	0.00000238	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	60.5	41.9	310.5	NA	µg/L	0.000000135	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	58.1	58.1	310.5	NA	µg/L	0.000000187	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	65.3	96.7	310.5	NA	µg/L	0.000000311	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	24.6	238	310.5	NA	µg/L	0.000000767	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	75	481	310.5	NA	µg/L	0.00000155	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	60.7	1,500	310.5	NA	µg/L	0.00000483	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	70.4	58.7	310.5	NA	µg/L	0.000000189	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	65.9	139	310.5	NA	µg/L	0.000000448	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	56	106	310.5	NA	µg/L	0.000000341	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	24.8	1000	310.5	NA	µg/L	0.00000322	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	62.4	62.4	310.5	NA	µg/L	0.000000201	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	22.9	85.5	310.5	NA	µg/L	0.000000275	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	76	332	310.5	NA	µg/L	0.00000107	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	55	84.1	310.5	NA	µg/L	0.000000271	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	66.2	66.2	310.5	NA	µg/L	0.000000213	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	61.8	61.8	310.5	NA	µg/L	0.000000199	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	65.7	65.7	310.5	NA	µg/L	0.000000212	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	99.3	17,700	310.5	NA	µg/L	0.0000570	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	197	39,800	310.5	NA	µg/L	0.000128	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	74.2	42,300	310.5	NA	µg/L	0.000136	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	25.4	10,800	310.5	NA	µg/L	0.0000348	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	11	373	310.5	NA	µg/L	0.00000120	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10.3	363	310.5	NA	µg/L	0.00000117	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	6.99	622	310.5	NA	µg/L	0.00000200	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10.6	76.2	310.5	NA	µg/L	0.000000245	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	37.6	2,390	310.5	NA	µg/L	0.00000770	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	36	848	310.5	NA	µg/L	0.00000273	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	38.8	1,470	310.5	NA	µg/L	0.00000473	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	33.2	173	310.5	NA	µg/L	0.000000557	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	40.9	40.9	310.5	NA	µg/L	0.000000132	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	40.9	40.9	310.5	NA	µg/L	0.000000132	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	40	446	310.5	NA	µg/L	0.00000144	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	7.18	12.9	310.5	NA	µg/L	0.0000000415	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	7.26	57.7	310.5	NA	µg/L	0.000000186	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	35.8	2,030	310.5	NA	µg/L	0.00000654	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	6.68	204	310.5	NA	µg/L	0.000000657	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	39.4	753	310.5	NA	µg/L	0.00000243	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	34	241	310.5	NA	µg/L	0.000000776	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	40.3	729	310.5	NA	µg/L	0.00000235	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	36.9	36.9	310.5	NA	µg/L	0.000000119	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	37.8	37.8	310.5	NA	µg/L	0.000000122	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	154,000	310.5	6.4	pg/L	496	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	4.13	411	310.5	NA	µg/L	0.00000132	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.07	1,500	310.5	NA	µg/L	0.00000483	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	4.51	30	310.5	NA	µg/L	0.0000000966	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.23	30.3	310.5	NA	µg/L	0.0000000976	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	3.12	41.4	310.5	NA	µg/L	0.000000133	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.32	21.7	310.5	NA	µg/L	0.0000000699	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.8	75.6	310.5	NA	µg/L	0.000000243	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.46	1.46	310.5	NA	µg/L	0.000000005	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.84	62.8	310.5	NA	µg/L	0.000000202	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	2.23	7.16	310.5	NA	µg/L	0.0000000231	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.31	16.1	310.5	NA	µg/L	0.0000000519	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.5	27.7	310.5	NA	µg/L	0.0000000892	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	2.19	16	310.5	NA	µg/L	0.0000000515	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.8	2.8	310.5	NA	µg/L	0.000000009	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3.2	3.2	310.5	NA	µg/L	0.0000000103	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.07	2,830	310.5	NA	µg/L	0.00000911	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.37	515	310.5	NA	µg/L	0.00000166	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	2.91	549	310.5	NA	µg/L	0.00000177	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5.91	905	310.5	NA	µg/L	0.00000291	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	23.9	11,600	310.5	NA	µg/L	0.0000374	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	2.21	192	310.5	NA	µg/L	0.000000618	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.31	93.3	310.5	NA	µg/L	0.000000300	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	2.8	60.9	310.5	NA	µg/L	0.000000196	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	3.2	3.2	310.5	NA	µg/L	0.0000000103	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	4.31	1,030	310.5	NA	µg/L	0.00000332	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	72	310.5	0.00051	pg/L	0.232	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	252	NA	µg/L	0.00000397	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	1,180	252	NA	µg/L	0.00000468	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	2,990	252	NA	µg/L	0.0000119	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	4,170	252	0.031	ng/L	0.0165	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	252	NA	µg/L	0.00000397	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	5,440	252	NA	µg/L	0.0000216	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	5,940	252	0.018	ng/L	0.0236	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	3,850	252	NA	µg/L	0.0000153	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	14,700	252	NA	µg/L	0.0000583	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	18,600	252	0.022	ng/L	0.0738	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	28,700	252	10	ng/L	0.114	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	307	252	NA	µg/L	0.00000122	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	8,130	252	NA	µg/L	0.0000323	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	13.6	252	NA	µg/L	0.0000000540	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	2,720	252	NA	µg/L	0.0000108	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	618	252	NA	µg/L	0.00000245	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	360	252	NA	µg/L	0.00000143	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	1,950	252	NA	µg/L	0.00000774	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	1,070	252	NA	µg/L	0.00000425	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	87.8	252	NA	µg/L	0.000000348	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	256	252	NA	µg/L	0.00000102	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	368	252	NA	µg/L	0.00000146	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	723	252	NA	µg/L	0.00000287	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	4,830	252	NA	µg/L	0.0000192	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	957	252	NA	µg/L	0.00000380	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	174	252	NA	µg/L	0.000000690	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	1,840	252	NA	µg/L	0.00000730	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	115	252	NA	µg/L	0.000000456	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	477	252	NA	µg/L	0.00000189	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	81.5	252	NA	µg/L	0.000000323	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	1,340	252	NA	µg/L	0.00000532	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	532	252	NA	µg/L	0.00000211	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	9,690	252	NA	µg/L	0.0000385	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	2,720	252	NA	µg/L	0.0000108	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	112	252	NA	µg/L	0.000000444	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	90.9	252	NA	µg/L	0.000000361	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	430	252	NA	µg/L	0.00000171	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	361	252	NA	µg/L	0.00000143	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	361	252	NA	µg/L	0.00000143	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	122	252	NA	µg/L	0.000000484	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	1,620	252	NA	µg/L	0.00000643	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	919	252	NA	µg/L	0.00000365	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	5,240	252	NA	µg/L	0.0000208	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	5,640	252	NA	µg/L	0.0000224	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	1,110	252	NA	µg/L	0.00000440	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	1,030	252	NA	µg/L	0.00000409	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	20	632	252	NA	µg/L	0.00000251	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	214	252	NA	µg/L	0.000000849	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	674	252	NA	µg/L	0.00000267	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	493	252	NA	µg/L	0.00000196	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	55.5	252	NA	µg/L	0.000000220	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	125	252	NA	µg/L	0.000000496	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	4,680	252	NA	µg/L	0.0000186	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	1,090	252	NA	µg/L	0.00000433	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	727	252	NA	µg/L	0.00000288	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	395	252	NA	µg/L	0.00000157	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	1,240	252	NA	µg/L	0.00000492	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	145	252	NA	µg/L	0.000000575	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	150	252	NA	µg/L	0.000000595	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	209	252	NA	µg/L	0.000000829	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	728	252	NA	µg/L	0.00000289	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	364	252	NA	µg/L	0.00000144	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	551	252	NA	µg/L	0.00000219	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	252	NA	µg/L	0.000000397	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4',5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5,5'-	E1668	100	100	252	NA	µg/L	0.000000397	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	2,140	252	NA	µg/L	0.00000849	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	169	252	NA	µg/L	0.000000671	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	58.2	252	NA	µg/L	0.000000231	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	293	252	NA	µg/L	0.00000116	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	76.6	252	NA	µg/L	0.000000304	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	83.6	252	NA	µg/L	0.000000332	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	4,180	252	NA	µg/L	0.0000166	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	156	252	NA	µg/L	0.000000619	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	252	NA	µg/L	0.000000317	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	8,790	252	NA	µg/L	0.0000349	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	252	NA	µg/L	0.000000238	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	346	252	NA	µg/L	0.00000137	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	16,600	252	NA	µg/L	0.0000659	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	35,100	252	NA	µg/L	0.000139	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	30,400	252	NA	µg/L	0.000121	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	6,570	252	NA	µg/L	0.0000261	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	252	NA	µg/L	0.000000238	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	60.8	252	NA	µg/L	0.000000241	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	63,900	252	6.4	pg/L	254	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	151	252	NA	µg/L	0.000000599	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	962	252	NA	µg/L	0.00000382	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	11.9	252	NA	µg/L	0.0000000472	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	11.1	252	NA	µg/L	0.0000000440	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	17.6	252	NA	µg/L	0.0000000698	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	7.34	252	NA	µg/L	0.0000000291	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	33.9	252	NA	µg/L	0.000000135	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	20.5	252	NA	µg/L	0.0000000813	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	4.21	252	NA	µg/L	0.0000000167	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	9.79	252	NA	µg/L	0.0000000388	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	10.3	252	NA	µg/L	0.0000000409	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	8.78	252	NA	µg/L	0.0000000348	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	3,200	252	NA	µg/L	0.0000127	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	211	252	NA	µg/L	0.000000837	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	348	252	NA	µg/L	0.00000138	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	407	252	NA	µg/L	0.00000162	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	9,570	252	NA	µg/L	0.0000380	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	106	252	NA	µg/L	0.000000421	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	30	252	NA	µg/L	0.000000119	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	8.05	252	NA	µg/L	0.0000000319	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	433	252	NA	µg/L	0.00000172	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	40.9	252	0.00051	pg/L	0.162	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	1000	1,170	222	NA	µg/L	0.00000527	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	315	222	NA	µg/L	0.00000142	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	662	222	NA	µg/L	0.00000298	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	977	222	0.031	ng/L	0.0044	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	222	NA	µg/L	0.00000450	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	1000	2,210	222	NA	µg/L	0.00000995	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	2,710	222	0.018	ng/L	0.0122	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	1,390	222	NA	µg/L	0.00000626	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	4,910	222	NA	µg/L	0.0000221	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	6,300	222	0.022	ng/L	0.0284	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	9,990	222	10	ng/L	0.0450	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	3.07	5.2	222	NA	µg/L	0.0000000234	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	2.33	17.3	222	NA	µg/L	0.0000000779	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	3.13	179	222	NA	µg/L	0.000000806	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	2.01	23.7	222	NA	µg/L	0.000000107	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	2.34	26.3	222	NA	µg/L	0.000000118	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	9.37	122	222	NA	µg/L	0.000000550	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	3.01	7,150	222	NA	µg/L	0.0000322	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	2.88	70.5	222	NA	µg/L	0.000000318	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	2.53	31.9	222	NA	µg/L	0.000000144	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	2.41	135	222	NA	µg/L	0.000000608	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	2.95	11	222	NA	µg/L	0.0000000495	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	2.65	12.6	222	NA	µg/L	0.0000000568	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	2.02	3.29	222	NA	µg/L	0.0000000148	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	2.76	6,650	222	NA	µg/L	0.0000300	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3.04	50.9	222	NA	µg/L	0.000000229	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	2.97	2.97	222	NA	µg/L	0.0000000134	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	23.2	1,070	222	NA	µg/L	0.00000482	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	24.6	377	222	NA	µg/L	0.00000170	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	22.9	187	222	NA	µg/L	0.000000842	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	21.1	1,110	222	NA	µg/L	0.00000500	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	21.8	585	222	NA	µg/L	0.00000264	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	23.4	41.8	222	NA	µg/L	0.000000188	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	6.91	93	222	NA	µg/L	0.000000419	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	8.78	132	222	NA	µg/L	0.000000595	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	6.07	230	222	NA	µg/L	0.00000104	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	19.9	2,050	222	NA	µg/L	0.00000923	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	19.7	19.7	222	NA	µg/L	0.0000000887	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20.8	20.8	222	NA	µg/L	0.0000000937	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	21.9	660	222	NA	µg/L	0.00000297	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	6.58	6.58	222	NA	µg/L	0.0000000296	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	24.5	24.5	222	NA	µg/L	0.000000110	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	19	1,120	222	NA	µg/L	0.00000505	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5.79	5.79	222	NA	µg/L	0.0000000261	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	7.05	7.05	222	NA	µg/L	0.0000000318	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	31.5	61.4	222	NA	µg/L	0.000000277	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	17.1	152	222	NA	µg/L	0.000000685	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	18.5	46.6	222	NA	µg/L	0.000000210	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	16.3	16.3	222	NA	µg/L	0.0000000734	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	51.9	1,060	222	NA	µg/L	0.00000477	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	14.1	298	222	NA	µg/L	0.00000134	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	11.6	4,470	222	NA	µg/L	0.0000201	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	12.4	1,460	222	NA	µg/L	0.00000658	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	12.9	61	222	NA	µg/L	0.000000275	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	11.4	49.1	222	NA	µg/L	0.000000221	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	11.9	1,110	222	NA	µg/L	0.00000500	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	15.1	288	222	NA	µg/L	0.00000130	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	6.98	366	222	NA	µg/L	0.00000165	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	12.7	12.7	222	NA	µg/L	0.0000000572	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	11.6	64.1	222	NA	µg/L	0.000000289	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	12.5	798	222	NA	µg/L	0.00000359	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10.3	434	222	NA	µg/L	0.00000195	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	11.7	11.7	222	NA	µg/L	0.0000000527	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	12.9	12.9	222	NA	µg/L	0.0000000581	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	12.1	173	222	NA	µg/L	0.000000779	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	11.8	11.8	222	NA	µg/L	0.0000000532	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	11.4	2,720	222	NA	µg/L	0.0000123	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	6.14	6.14	222	NA	µg/L	0.0000000277	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	6.71	6.71	222	NA	µg/L	0.0000000302	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5.76	5.76	222	NA	µg/L	0.0000000259	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	9.5	2,580	222	NA	µg/L	0.0000116	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	11.3	23.3	222	NA	µg/L	0.000000105	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	6.41	6.41	222	NA	µg/L	0.0000000289	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	62.5	798	222	NA	µg/L	0.00000359	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	8.96	478	222	NA	µg/L	0.00000215	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	39.6	39.6	222	NA	µg/L	0.000000178	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	46.6	46.6	222	NA	µg/L	0.000000210	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10.1	10.1	222	NA	µg/L	0.0000000455	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	8.56	23.3	222	NA	µg/L	0.000000105	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	8.78	459	222	NA	µg/L	0.00000207	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	9.99	9.99	222	NA	µg/L	0.0000000450	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	108	108	222	NA	µg/L	0.000000486	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	2.33	67.4	222	NA	µg/L	0.000000304	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	33.2	282	222	NA	µg/L	0.00000127	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	40.9	223	222	NA	µg/L	0.00000100	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	23.7	23.7	222	NA	µg/L	0.000000107	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	25.6	59.8	222	NA	µg/L	0.000000269	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	31.6	1,370	222	NA	µg/L	0.00000617	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	45.2	442	222	NA	µg/L	0.00000199	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	24.3	128	222	NA	µg/L	0.000000577	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	47.6	161	222	NA	µg/L	0.000000725	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	18.8	18.8	222	NA	µg/L	0.0000000847	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	22.2	283	222	NA	µg/L	0.00000127	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	19.2	49.2	222	NA	µg/L	0.000000222	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20.4	51.7	222	NA	µg/L	0.000000233	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	72.1	222	NA	µg/L	0.000000325	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	19.8	178	222	NA	µg/L	0.000000802	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	17.7	17.7	222	NA	µg/L	0.0000000797	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	43.2	43.2	222	NA	µg/L	0.000000195	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	49.2	214	222	NA	µg/L	0.000000964	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	13.5	379	222	NA	µg/L	0.00000171	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	15.4	111	222	NA	µg/L	0.000000500	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	15.7	791	222	NA	µg/L	0.00000356	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	12.5	12.5	222	NA	µg/L	0.0000000563	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	11.6	2,000	222	NA	µg/L	0.00000901	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	12.4	2,500	222	NA	µg/L	0.0000113	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	13.1	23.5	222	NA	µg/L	0.000000106	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	16.3	16.3	222	NA	µg/L	0.0000000734	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	13.2	13.2	222	NA	µg/L	0.0000000595	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	12.3	288	222	NA	µg/L	0.00000130	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	13.9	477	222	NA	µg/L	0.00000215	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	15.5	15.5	222	NA	µg/L	0.0000000698	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	14.6	14.6	222	NA	µg/L	0.0000000658	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	13.7	2,120	222	NA	µg/L	0.00000955	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	2.54	9.42	222	NA	µg/L	0.0000000424	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10.8	865	222	NA	µg/L	0.00000390	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10.7	60.9	222	NA	µg/L	0.000000274	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	13.1	9.65	222	NA	µg/L	0.0000000435	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	2.55	2.55	222	NA	µg/L	0.0000000115	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	11.2	1,350	222	NA	µg/L	0.00000608	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10.3	123	222	NA	µg/L	0.000000554	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	9.28	9.28	222	NA	µg/L	0.0000000418	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	11.7	39.5	222	NA	µg/L	0.000000178	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	8.98	221	222	NA	µg/L	0.000000995	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	9.2	3,500	222	NA	µg/L	0.0000158	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	9.96	9.96	222	NA	µg/L	0.0000000449	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	8.65	8.65	222	NA	µg/L	0.0000000390	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10.6	70	222	NA	µg/L	0.000000315	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10.2	10.2	222	NA	µg/L	0.0000000459	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10.5	2,570	222	NA	µg/L	0.0000116	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	8.89	8.89	222	NA	µg/L	0.0000000400	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	8.42	8.42	222	NA	µg/L	0.0000000379	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10.3	299	222	NA	µg/L	0.00000135	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	9.12	9.12	222	NA	µg/L	0.0000000411	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	48.8	48.8	222	NA	µg/L	0.000000220	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10.1	10.1	222	NA	µg/L	0.0000000455	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	18.4	1,310	222	NA	µg/L	0.00000590	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	12.1	6,260	222	NA	µg/L	0.0000282	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	6.55	321	222	NA	µg/L	0.00000145	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	7.74	185	222	NA	µg/L	0.000000833	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	9.55	74.8	222	NA	µg/L	0.000000337	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	6.49	872	222	NA	µg/L	0.00000393	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	6.68	18.9	222	NA	µg/L	0.0000000851	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	8.24	48.3	222	NA	µg/L	0.000000218	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	9.17	129	222	NA	µg/L	0.000000581	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	6.23	381	222	NA	µg/L	0.00000172	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	7.15	142	222	NA	µg/L	0.000000640	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	6.14	47.6	222	NA	µg/L	0.000000214	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	6.91	94.8	222	NA	µg/L	0.000000427	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	6.29	950	222	NA	µg/L	0.00000428	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	2.24	2.24	222	NA	µg/L	0.0000000101	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	18	268	222	NA	µg/L	0.00000121	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	17.1	17.1	222	NA	µg/L	0.0000000770	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	16.3	16.3	222	NA	µg/L	0.0000000734	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	18.4	18.4	222	NA	µg/L	0.0000000829	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5.8	68.5	222	NA	µg/L	0.000000309	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20.9	162	222	NA	µg/L	0.000000730	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	17	523	222	NA	µg/L	0.00000236	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	19.8	22.2	222	NA	µg/L	0.0000001000	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	18.8	37.4	222	NA	µg/L	0.000000168	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	16.3	19.6	222	NA	µg/L	0.0000000883	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5.49	340	222	NA	µg/L	0.00000153	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	17.7	17.7	222	NA	µg/L	0.0000000797	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5.33	5.33	222	NA	µg/L	0.0000000240	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	23.4	185	222	NA	µg/L	0.000000833	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	15.8	60.4	222	NA	µg/L	0.000000272	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	18.9	18.9	222	NA	µg/L	0.0000000851	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	17.5	17.5	222	NA	µg/L	0.0000000788	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	21.5	21.5	222	NA	µg/L	0.0000000968	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	21.2	7,920	222	NA	µg/L	0.0000357	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	56.4	17,900	222	NA	µg/L	0.0000806	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	15.6	17,800	222	NA	µg/L	0.0000802	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	5.15	3,010	222	NA	µg/L	0.0000136	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	2.42	137	222	NA	µg/L	0.000000617	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	2.38	146	222	NA	µg/L	0.000000658	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	1.74	248	222	NA	µg/L	0.00000112	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	2.4	32.6	222	NA	µg/L	0.000000147	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	7.64	540	222	NA	µg/L	0.00000243	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	7.2	210	222	NA	µg/L	0.000000946	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	7.76	351	222	NA	µg/L	0.00000158	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	6.69	41.8	222	NA	µg/L	0.000000188	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	8.11	8.11	222	NA	µg/L	0.0000000365	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	8.23	8.23	222	NA	µg/L	0.0000000371	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	8.14	108	222	NA	µg/L	0.000000486	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	1.81	5.45	222	NA	µg/L	0.0000000245	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	1.78	28.7	222	NA	µg/L	0.000000129	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	6.95	441	222	NA	µg/L	0.00000199	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	1.6	92.1	222	NA	µg/L	0.000000415	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	8.05	278	222	NA	µg/L	0.00000125	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	6.78	126	222	NA	µg/L	0.000000568	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	7.89	226	222	NA	µg/L	0.00000102	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	7.51	7.51	222	NA	µg/L	0.0000000338	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	7.49	7.49	222	NA	µg/L	0.0000000337	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	62,300	222	6.4	pg/L	281	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	5.24	141	222	NA	µg/L	0.000000635	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	6.34	648	222	NA	µg/L	0.00000292	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	6.11	9.5	222	NA	µg/L	0.0000000428	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5.82	12.6	222	NA	µg/L	0.0000000568	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	4.03	19.7	222	NA	µg/L	0.0000000887	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	5.7	11.2	222	NA	µg/L	0.0000000505	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	3.88	32.2	222	NA	µg/L	0.000000145	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	6.41	6.41	222	NA	µg/L	0.0000000289	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	3.81	18.8	222	NA	µg/L	0.0000000847	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	4.78	4.78	222	NA	µg/L	0.0000000215	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	4.77	4.77	222	NA	µg/L	0.0000000215	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	6.24	8.52	222	NA	µg/L	0.0000000384	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	4.5	4.5	222	NA	µg/L	0.0000000203	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5.69	5.69	222	NA	µg/L	0.0000000256	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5.68	5.68	222	NA	µg/L	0.0000000256	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	5.64	379	222	NA	µg/L	0.00000171	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	6.34	1,310	222	NA	µg/L	0.00000590	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	6.03	171	222	NA	µg/L	0.000000770	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3.9	182	222	NA	µg/L	0.000000820	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10.2	323	222	NA	µg/L	0.00000145	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	11.4	5,060	222	NA	µg/L	0.0000228	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	4.64	31.5	222	NA	µg/L	0.000000142	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	4.77	4.77	222	NA	µg/L	0.0000000215	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	5.68	5.68	222	NA	µg/L	0.0000000256	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	5.69	5.69	222	NA	µg/L	0.0000000256	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	26.5	222	0.00051	pg/L	0.119	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DIELDRIN	E1699M	1,570	5,980	225	NA	µg/L	0.0000266	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,030	1,030	225	NA	µg/L	0.00000458	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDD; P,P'-	E1699M	1,250	2,480	225	NA	µg/L	0.0000110	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	3,000	225	0.031	ng/L	0.0133	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDE; O,P'-	E1699M	759	759	225	NA	µg/L	0.00000337	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDE; P,P'-	E1699M	803	803	225	NA	µg/L	0.00000357	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	803	803	225	0.018	ng/L	0.0036	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDT; O,P'-	E1699M	2,200	2,200	225	NA	µg/L	0.00000978	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	O/P	DDT; P,P'-	E1699M	2,510	2,510	225	NA	µg/L	0.0000112	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	2,510	2,510	225	0.022	ng/L	0.0112	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	6,130	225	10	ng/L	0.0272	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	16.1	20.1	225	NA	µg/L	0.0000000893	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	30.1	2,220	225	NA	µg/L	0.00000987	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	14.4	1,140	225	NA	µg/L	0.00000507	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	21.4	21.4	225	NA	µg/L	0.0000000951	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	23.5	2,090	225	NA	µg/L	0.00000929	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	21.6	21.6	225	NA	µg/L	0.0000000960	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	17.3	155,000	225	NA	µg/L	0.000689	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20.1	126,000	225	NA	µg/L	0.000560	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	13.5	302	225	NA	µg/L	0.00000134	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	13.1	18,800	225	NA	µg/L	0.0000836	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	16	106	225	NA	µg/L	0.000000471	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	14.4	164	225	NA	µg/L	0.000000729	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	14.5	2,050	225	NA	µg/L	0.00000911	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	13.9	13.9	225	NA	µg/L	0.0000000618	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	15.5	85.2	225	NA	µg/L	0.000000379	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	15.4	15.4	225	NA	µg/L	0.0000000684	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	15	82.5	225	NA	µg/L	0.000000367	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	13.6	13.6	225	NA	µg/L	0.0000000604	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	13.5	13.5	225	NA	µg/L	0.0000000600	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	12.4	103	225	NA	µg/L	0.000000458	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	12.4	44	225	NA	µg/L	0.000000196	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	13.4	13.4	225	NA	µg/L	0.0000000596	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	4.75	17.6	225	NA	µg/L	0.0000000782	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	6.3	26	225	NA	µg/L	0.000000116	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	4.11	49.2	225	NA	µg/L	0.000000219	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	11.1	194	225	NA	µg/L	0.000000862	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	11.1	11.1	225	NA	µg/L	0.0000000493	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	11.9	11.9	225	NA	µg/L	0.0000000529	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	12.4	50.1	225	NA	µg/L	0.000000223	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	4.45	4.45	225	NA	µg/L	0.0000000198	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	13.5	13.5	225	NA	µg/L	0.0000000600	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10.9	95.3	225	NA	µg/L	0.000000424	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3.93	3.93	225	NA	µg/L	0.0000000175	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	4.33	4.33	225	NA	µg/L	0.0000000192	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	13.5	13.5	225	NA	µg/L	0.0000000600	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10.4	10.4	225	NA	µg/L	0.0000000462	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10.5	10.5	225	NA	µg/L	0.0000000467	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	9.26	9.26	225	NA	µg/L	0.0000000412	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10.8	41.1	225	NA	µg/L	0.000000183	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	8.04	27	225	NA	µg/L	0.000000120	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	6.11	437	225	NA	µg/L	0.00000194	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	7.04	168	225	NA	µg/L	0.000000747	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	7.54	13	225	NA	µg/L	0.0000000578	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	6.46	10.5	225	NA	µg/L	0.0000000467	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	6.5	291	225	NA	µg/L	0.00000129	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	8.2	15.4	225	NA	µg/L	0.0000000684	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5.22	150	225	NA	µg/L	0.000000667	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	6.79	6.79	225	NA	µg/L	0.0000000302	UJ
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	6.11	6.11	225	NA	µg/L	0.0000000272	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	6.79	87.8	225	NA	µg/L	0.000000390	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5.42	73.4	225	NA	µg/L	0.000000326	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	6.79	8.03	225	NA	µg/L	0.0000000357	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	7.42	7.42	225	NA	µg/L	0.0000000330	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	6.69	26.1	225	NA	µg/L	0.000000116	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	6.54	6.54	225	NA	µg/L	0.0000000291	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5.91	516	225	NA	µg/L	0.00000229	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	4.63	4.63	225	NA	µg/L	0.0000000206	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	4.89	5.81	225	NA	µg/L	0.0000000258	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	4.28	4.28	225	NA	µg/L	0.0000000190	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5.01	402	225	NA	µg/L	0.00000179	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	6.12	15.3	225	NA	µg/L	0.0000000680	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	4.22	4.22	225	NA	µg/L	0.0000000188	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	13.9	36.7	225	NA	µg/L	0.000000163	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	4.87	38.8	225	NA	µg/L	0.000000172	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	8.12	8.12	225	NA	µg/L	0.0000000361	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	9.71	9.71	225	NA	µg/L	0.0000000432	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5.43	5.43	225	NA	µg/L	0.0000000241	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	4.72	4.72	225	NA	µg/L	0.0000000210	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	4.84	32.3	225	NA	µg/L	0.000000144	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5.41	5.41	225	NA	µg/L	0.0000000240	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	12.5	12.5	225	NA	µg/L	0.0000000556	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	26.8	4,310	225	NA	µg/L	0.0000192	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	61.4	61.4	225	NA	µg/L	0.000000273	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	88.9	88.9	225	NA	µg/L	0.000000395	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	32.6	32.6	225	NA	µg/L	0.000000145	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	33.8	33.8	225	NA	µg/L	0.000000150	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	12.8	39.7	225	NA	µg/L	0.000000176	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	21	21	225	NA	µg/L	0.0000000933	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	9.45	9.45	225	NA	µg/L	0.0000000420	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	21.6	21.6	225	NA	µg/L	0.0000000960	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	6.67	6.67	225	NA	µg/L	0.0000000296	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	8.15	8.15	225	NA	µg/L	0.0000000362	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	6.93	6.93	225	NA	µg/L	0.0000000308	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	7.19	7.19	225	NA	µg/L	0.0000000320	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	6.58	10.8	225	NA	µg/L	0.0000000480	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	7.58	28.9	225	NA	µg/L	0.000000128	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	6.25	6.25	225	NA	µg/L	0.0000000278	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	19	19	225	NA	µg/L	0.0000000844	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-167	E1668	9.27	9.27	225	NA	µg/L	0.0000000412	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-82	E1668	14.9	43.8	225	NA	µg/L	0.000000195	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	18.7	36.8	225	NA	µg/L	0.000000164	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	18	260	225	NA	µg/L	0.00000116	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	13.1	57.8	225	NA	µg/L	0.000000257	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	11.9	446	225	NA	µg/L	0.00000198	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	13.1	817	225	NA	µg/L	0.00000363	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	14.7	14.7	225	NA	µg/L	0.0000000653	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	17	17	225	NA	µg/L	0.0000000756	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	13	13	225	NA	µg/L	0.0000000578	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	14.5	277	225	NA	µg/L	0.00000123	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	15.6	199	225	NA	µg/L	0.000000884	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	17.7	13	225	NA	µg/L	0.0000000578	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	15.3	54.3	225	NA	µg/L	0.000000241	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	15.5	1,710	225	NA	µg/L	0.00000760	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	4.76	68.8	225	NA	µg/L	0.000000306	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	11.2	244	225	NA	µg/L	0.00000108	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	13.5	29.6	225	NA	µg/L	0.000000132	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	14.6	151	225	NA	µg/L	0.000000671	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	4.65	10.3	225	NA	µg/L	0.0000000458	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	11	120	225	NA	µg/L	0.000000533	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10.3	10.3	225	NA	µg/L	0.0000000458	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	9.77	9.77	225	NA	µg/L	0.0000000434	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	12.3	12.3	225	NA	µg/L	0.0000000547	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	9.11	19.9	225	NA	µg/L	0.0000000884	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	9.68	587	225	NA	µg/L	0.00000261	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10.8	10.8	225	NA	µg/L	0.0000000480	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	9.06	9.06	225	NA	µg/L	0.0000000403	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10.1	10.1	225	NA	µg/L	0.0000000449	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10.3	10.3	225	NA	µg/L	0.0000000458	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	9.61	275	225	NA	µg/L	0.00000122	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	9.24	21.6	225	NA	µg/L	0.0000000960	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	8.64	8.64	225	NA	µg/L	0.0000000384	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10.7	15.4	225	NA	µg/L	0.0000000684	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	9.72	9.72	225	NA	µg/L	0.0000000432	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10.2	10.2	225	NA	µg/L	0.0000000453	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10.5	10.5	225	NA	µg/L	0.0000000467	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	18.5	561	225	NA	µg/L	0.00000249	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	14.5	32,600	225	NA	µg/L	0.000145	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	12.1	578	225	NA	µg/L	0.00000257	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	15.2	224	225	NA	µg/L	0.000000996	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	16.7	51.3	225	NA	µg/L	0.000000228	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	11.6	2,830	225	NA	µg/L	0.0000126	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	13.3	15.9	225	NA	µg/L	0.0000000707	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	16.5	355	225	NA	µg/L	0.00000158	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	16.5	16.5	225	NA	µg/L	0.0000000733	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	11.4	3,290	225	NA	µg/L	0.0000146	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	13.7	99.5	225	NA	µg/L	0.000000442	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	12.6	4,170	225	NA	µg/L	0.0000185	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	13	10,900	225	NA	µg/L	0.0000484	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	11.6	4,750	225	NA	µg/L	0.0000211	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	8.72	3,710	225	NA	µg/L	0.0000165	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	18.2	120	225	NA	µg/L	0.000000533	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	17.7	17.7	225	NA	µg/L	0.0000000787	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	17.2	42.6	225	NA	µg/L	0.000000189	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	19.4	19.4	225	NA	µg/L	0.0000000862	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10.1	91.9	225	NA	µg/L	0.000000408	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	21.9	70.6	225	NA	µg/L	0.000000314	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	17.7	247	225	NA	µg/L	0.00000110	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20.6	20.6	225	NA	µg/L	0.0000000916	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	19.4	180	225	NA	µg/L	0.000000800	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	16.7	16.7	225	NA	µg/L	0.0000000742	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10.2	270	225	NA	µg/L	0.00000120	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	18	18	225	NA	µg/L	0.0000000800	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	9.51	92.6	225	NA	µg/L	0.000000412	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20.2	20.2	225	NA	µg/L	0.0000000898	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	16.3	16.3	225	NA	µg/L	0.0000000724	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	19.1	19.1	225	NA	µg/L	0.0000000849	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	18	18	225	NA	µg/L	0.0000000800	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	18.9	18.9	225	NA	µg/L	0.0000000840	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	11.2	662	225	NA	µg/L	0.00000294	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	9.97	2,410	225	NA	µg/L	0.0000107	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	9.3	5,460	225	NA	µg/L	0.0000243	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	22.5	62,700	225	NA	µg/L	0.000279	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	25.9	397	225	NA	µg/L	0.00000176	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	25.1	3,420	225	NA	µg/L	0.0000152	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	17.1	3,090	225	NA	µg/L	0.0000137	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	25.1	35,500	225	NA	µg/L	0.000158	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	19.2	932	225	NA	µg/L	0.00000414	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	18.1	218	225	NA	µg/L	0.000000969	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	19.5	561	225	NA	µg/L	0.00000249	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	17	408	225	NA	µg/L	0.00000181	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20.9	20.9	225	NA	µg/L	0.0000000929	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20.7	20.7	225	NA	µg/L	0.0000000920	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	20.2	389	225	NA	µg/L	0.00000173	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	17.6	17.6	225	NA	µg/L	0.0000000782	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	18	2,110	225	NA	µg/L	0.00000938	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	17.7	792	225	NA	µg/L	0.00000352	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	16.2	14,700	225	NA	µg/L	0.0000653	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	19.4	75.3	225	NA	µg/L	0.000000335	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	17.1	17.1	225	NA	µg/L	0.0000000760	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	19.9	149	225	NA	µg/L	0.000000662	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	18.7	18.7	225	NA	µg/L	0.0000000831	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	19	19	225	NA	µg/L	0.0000000844	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	257,000	225	6.4	pg/L	1,142	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.08	4.18	225	NA	µg/L	0.0000000186	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	1.68	16	225	NA	µg/L	0.0000000711	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.6	2.6	225	NA	µg/L	0.0000000116	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.22	1.22	225	NA	µg/L	0.000000005	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.7	2.7	225	NA	µg/L	0.0000000120	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.23	1.23	225	NA	µg/L	0.000000005	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.29	2.29	225	NA	µg/L	0.0000000102	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.39	1.39	225	NA	µg/L	0.000000006	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.47	2.47	225	NA	µg/L	0.0000000110	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.65	1.65	225	NA	µg/L	0.000000007	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.83	2.83	225	NA	µg/L	0.0000000126	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.35	1.35	225	NA	µg/L	0.000000006	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.67	1.67	225	NA	µg/L	0.000000007	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.36	1.36	225	NA	µg/L	0.000000006	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.68	2.68	225	NA	µg/L	0.0000000119	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	1.68	29.7	225	NA	µg/L	0.000000132	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.29	1.29	225	NA	µg/L	0.000000006	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	2.48	2.48	225	NA	µg/L	0.0000000110	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.49	7.83	225	NA	µg/L	0.0000000348	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	6.43	91.3	225	NA	µg/L	0.000000406	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.66	1.66	225	NA	µg/L	0.000000007	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.83	2.83	225	NA	µg/L	0.0000000126	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.36	8.13	225	NA	µg/L	0.0000000361	
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	2.68	2.68	225	NA	µg/L	0.0000000119	U
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.32	7.11	225	NA	µg/L	0.0000000316	J
SIB-SW-AAM107-BACK-050522	Dissolved	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	4	225	0.00051	pg/L	0.0178	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	241.5	NA	µg/L	0.00000414	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	637	241.5	NA	µg/L	0.00000264	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	853	241.5	NA	µg/L	0.00000353	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,490	241.5	0.031	ng/L	0.0062	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	241.5	NA	µg/L	0.00000414	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	1000	241.5	NA	µg/L	0.00000414	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	1000	1000	241.5	0.018	ng/L	0.0041	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	611	241.5	NA	µg/L	0.00000253	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	1,790	241.5	NA	µg/L	0.00000741	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	2,400	241.5	0.022	ng/L	0.0099	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	4,890	241.5	10	ng/L	0.0202	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	56.5	241.5	NA	µg/L	0.000000234	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	40,500	241.5	NA	µg/L	0.000168	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	23,200	241.5	NA	µg/L	0.0000961	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	3,630	241.5	NA	µg/L	0.0000150	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	376	241.5	NA	µg/L	0.00000156	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	40	241.5	NA	µg/L	0.000000166	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	40	241.5	NA	µg/L	0.000000166	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	241.5	NA	µg/L	0.000000166	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	1,190	241.5	NA	µg/L	0.00000493	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	228	241.5	NA	µg/L	0.000000944	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	45.3	241.5	NA	µg/L	0.000000188	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	40	241.5	NA	µg/L	0.000000166	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	241.5	NA	µg/L	0.000000414	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	241.5	NA	µg/L	0.000000248	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	241.5	NA	µg/L	0.000000166	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	241.5	NA	µg/L	0.000000331	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	17,200	241.5	NA	µg/L	0.0000712	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	2,010	241.5	NA	µg/L	0.00000832	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	3,770	241.5	NA	µg/L	0.0000156	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	978	241.5	NA	µg/L	0.00000405	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	241.5	NA	µg/L	0.000000248	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	39.9	241.5	NA	µg/L	0.000000165	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	UJ
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	1,350	241.5	NA	µg/L	0.00000559	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	5,120	241.5	NA	µg/L	0.0000212	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	11,900	241.5	NA	µg/L	0.0000493	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	18,300	241.5	NA	µg/L	0.0000758	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	7,960	241.5	NA	µg/L	0.0000330	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	241.5	NA	µg/L	0.000000248	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	515	241.5	NA	µg/L	0.00000213	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	2,640	241.5	NA	µg/L	0.0000109	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	241.5	NA	µg/L	0.0000000828	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	47,300	241.5	6.4	pg/L	196	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	4.78	241.5	NA	µg/L	0.0000000198	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	23.7	241.5	NA	µg/L	0.0000000981	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	4.11	241.5	NA	µg/L	0.0000000170	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	71.4	241.5	NA	µg/L	0.000000296	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	5.07	241.5	NA	µg/L	0.0000000210	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	8.51	241.5	NA	µg/L	0.0000000352	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	11.4	241.5	NA	µg/L	0.0000000472	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	184	241.5	NA	µg/L	0.000000762	
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	241.5	NA	µg/L	0.000000104	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	5	241.5	NA	µg/L	0.0000000207	U
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	9.51	241.5	NA	µg/L	0.0000000394	J
SIB-SW-AAM107-BACK-102122	Dissolved	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	27.8	241.5	0.00051	pg/L	0.115	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DIELDRIN	E1699	1000	1000	208.5	NA	µg/L	0.00000480	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	2,000	208.5	NA	µg/L	0.00000959	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	2,000	208.5	NA	µg/L	0.00000959	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	208.5	NA	µg/L	0.00000480	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDE; P,P'-	E1699	1000	1000	208.5	NA	µg/L	0.00000480	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	2,000	208.5	NA	µg/L	0.00000959	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	2,000	208.5	NA	µg/L	0.00000959	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	844	844	208.5	NA	µg/L	0.00000405	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	585	585	208.5	NA	µg/L	0.00000281	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	862	862	208.5	NA	µg/L	0.00000413	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	376	376	208.5	NA	µg/L	0.00000180	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	441	441	208.5	NA	µg/L	0.00000212	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	59.9	138	208.5	NA	µg/L	0.000000662	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	911	28,300	208.5	NA	µg/L	0.000136	
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	961	3,520	208.5	NA	µg/L	0.0000169	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	691	691	208.5	NA	µg/L	0.00000331	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	678	1,930	208.5	NA	µg/L	0.00000926	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	801	801	208.5	NA	µg/L	0.00000384	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	722	722	208.5	NA	µg/L	0.00000346	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	648	648	208.5	NA	µg/L	0.00000311	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	727	22,900	208.5	NA	µg/L	0.000110	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	847	847	208.5	NA	µg/L	0.00000406	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	841	841	208.5	NA	µg/L	0.00000403	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	71.1	176	208.5	NA	µg/L	0.000000844	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	61.7	61.7	208.5	NA	µg/L	0.000000296	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	57.4	57.4	208.5	NA	µg/L	0.000000275	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	55.9	271	208.5	NA	µg/L	0.00000130	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	55.4	172	208.5	NA	µg/L	0.000000825	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	58.7	58.7	208.5	NA	µg/L	0.000000282	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	44.2	44.2	208.5	NA	µg/L	0.000000212	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	54.8	54.8	208.5	NA	µg/L	0.000000263	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	38.4	231	208.5	NA	µg/L	0.00000111	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	50.1	513	208.5	NA	µg/L	0.00000246	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	49.7	49.7	208.5	NA	µg/L	0.000000238	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	51.7	51.7	208.5	NA	µg/L	0.000000248	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	52.1	165	208.5	NA	µg/L	0.000000791	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	41.4	41.4	208.5	NA	µg/L	0.000000199	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	63.8	63.8	208.5	NA	µg/L	0.000000306	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	49.2	248	208.5	NA	µg/L	0.00000119	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	36.9	36.9	208.5	NA	µg/L	0.000000177	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	46.6	46.6	208.5	NA	µg/L	0.000000224	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	67.4	67.4	208.5	NA	µg/L	0.000000323	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	53.1	53.1	208.5	NA	µg/L	0.000000255	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	46.6	46.6	208.5	NA	µg/L	0.000000224	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	40.5	40.5	208.5	NA	µg/L	0.000000194	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	76.2	76.2	208.5	NA	µg/L	0.000000365	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	45.3	81	208.5	NA	µg/L	0.000000388	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	37.7	653	208.5	NA	µg/L	0.00000313	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	39.5	231	208.5	NA	µg/L	0.00000111	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	41.5	41.5	208.5	NA	µg/L	0.000000199	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	36.4	36.4	208.5	NA	µg/L	0.000000175	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	39.3	269	208.5	NA	µg/L	0.00000129	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	43.5	43.5	208.5	NA	µg/L	0.000000209	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	88.3	271	208.5	NA	µg/L	0.00000130	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	43.8	46.5	208.5	NA	µg/L	0.000000223	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	37.4	37.4	208.5	NA	µg/L	0.000000179	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	39.1	173	208.5	NA	µg/L	0.000000830	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	32	77.3	208.5	NA	µg/L	0.000000371	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	41.2	41.2	208.5	NA	µg/L	0.000000198	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	41.5	41.5	208.5	NA	µg/L	0.000000199	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	38	59.5	208.5	NA	µg/L	0.000000285	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	38.1	38.1	208.5	NA	µg/L	0.000000183	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	36.3	563	208.5	NA	µg/L	0.00000270	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	79.6	79.6	208.5	NA	µg/L	0.000000382	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	82.7	82.7	208.5	NA	µg/L	0.000000397	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	75.4	75.4	208.5	NA	µg/L	0.000000362	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	30.7	523	208.5	NA	µg/L	0.00000251	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	36.3	36.3	208.5	NA	µg/L	0.000000174	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	83.5	83.5	208.5	NA	µg/L	0.000000400	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	96.5	96.5	208.5	NA	µg/L	0.000000463	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	28.8	89.8	208.5	NA	µg/L	0.000000431	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	56.6	56.6	208.5	NA	µg/L	0.000000271	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	66.5	66.5	208.5	NA	µg/L	0.000000319	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	31.4	31.4	208.5	NA	µg/L	0.000000151	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	28.2	28.2	208.5	NA	µg/L	0.000000135	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	27	49.2	208.5	NA	µg/L	0.000000236	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	31.9	31.9	208.5	NA	µg/L	0.000000153	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	80.4	80.4	208.5	NA	µg/L	0.000000386	R

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	513	513	208.5	NA	µg/L	0.00000246	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	151	151	208.5	NA	µg/L	0.000000724	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	198	198	208.5	NA	µg/L	0.000000950	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	97	97	208.5	NA	µg/L	0.000000465	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	104	104	208.5	NA	µg/L	0.000000499	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	90.5	90.5	208.5	NA	µg/L	0.000000434	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	111	111	208.5	NA	µg/L	0.000000532	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	81.4	81.4	208.5	NA	µg/L	0.000000390	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	119	119	208.5	NA	µg/L	0.000000571	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	60.5	60.5	208.5	NA	µg/L	0.000000290	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	74.7	74.7	208.5	NA	µg/L	0.000000358	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	71.6	71.6	208.5	NA	µg/L	0.000000343	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	69.9	69.9	208.5	NA	µg/L	0.000000335	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	72.1	72.1	208.5	NA	µg/L	0.000000346	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	67.3	67.3	208.5	NA	µg/L	0.000000323	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	61.3	61.3	208.5	NA	µg/L	0.000000294	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	109	109	208.5	NA	µg/L	0.000000523	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-167	E1668	70.3	70.3	208.5	NA	µg/L	0.000000337	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-82	E1668	76.7	115	208.5	NA	µg/L	0.000000552	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	95	95	208.5	NA	µg/L	0.000000456	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	85.5	213	208.5	NA	µg/L	0.00000102	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	65.4	174	208.5	NA	µg/L	0.000000835	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	66.9	628	208.5	NA	µg/L	0.00000301	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	72.3	666	208.5	NA	µg/L	0.00000319	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	74.8	74.8	208.5	NA	µg/L	0.000000359	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	84.1	84.1	208.5	NA	µg/L	0.000000403	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	67.7	67.7	208.5	NA	µg/L	0.000000325	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	78.7	78.7	208.5	NA	µg/L	0.000000377	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	81.1	135	208.5	NA	µg/L	0.000000647	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	91.1	91.1	208.5	NA	µg/L	0.000000437	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	82.9	82.9	208.5	NA	µg/L	0.000000398	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	79.6	534	208.5	NA	µg/L	0.00000256	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	101	101	208.5	NA	µg/L	0.000000484	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	57.6	243	208.5	NA	µg/L	0.00000117	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	71.5	71.5	208.5	NA	µg/L	0.000000343	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	76.3	76.3	208.5	NA	µg/L	0.000000366	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	111	111	208.5	NA	µg/L	0.000000532	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	61.2	257	208.5	NA	µg/L	0.00000123	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	57.7	80.5	208.5	NA	µg/L	0.000000386	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	54.3	54.3	208.5	NA	µg/L	0.000000260	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	74.6	74.6	208.5	NA	µg/L	0.000000358	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	52.5	52.5	208.5	NA	µg/L	0.000000252	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	57.9	946	208.5	NA	µg/L	0.00000454	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	57.5	57.5	208.5	NA	µg/L	0.000000276	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	51.8	51.8	208.5	NA	µg/L	0.000000248	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	67.9	67.9	208.5	NA	µg/L	0.000000326	R

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	60	60	208.5	NA	µg/L	0.000000288	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	50.8	501	208.5	NA	µg/L	0.00000240	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	48.1	48.1	208.5	NA	µg/L	0.000000231	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	47.1	47.1	208.5	NA	µg/L	0.000000226	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	63.9	63.9	208.5	NA	µg/L	0.000000306	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	52.4	52.4	208.5	NA	µg/L	0.000000251	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	79.9	79.9	208.5	NA	µg/L	0.000000383	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	54.7	54.7	208.5	NA	µg/L	0.000000262	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	141	647	208.5	NA	µg/L	0.00000310	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	138	2,950	208.5	NA	µg/L	0.0000141	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	86.9	228	208.5	NA	µg/L	0.00000109	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	95.8	95.8	208.5	NA	µg/L	0.000000459	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	113	113	208.5	NA	µg/L	0.000000542	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	84.4	527	208.5	NA	µg/L	0.00000253	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	90.4	90.4	208.5	NA	µg/L	0.000000434	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	108	108	208.5	NA	µg/L	0.000000518	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	107	107	208.5	NA	µg/L	0.000000513	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	80	243	208.5	NA	µg/L	0.00000117	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	92.4	92.4	208.5	NA	µg/L	0.000000443	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	85.8	431	208.5	NA	µg/L	0.00000207	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	88.8	88.8	208.5	NA	µg/L	0.000000426	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	76.1	312	208.5	NA	µg/L	0.00000150	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	240	240	208.5	NA	µg/L	0.00000115	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	136	148	208.5	NA	µg/L	0.000000710	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	130	130	208.5	NA	µg/L	0.000000624	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	127	127	208.5	NA	µg/L	0.000000609	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	144	144	208.5	NA	µg/L	0.000000691	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	74.8	74.8	208.5	NA	µg/L	0.000000359	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	158	158	208.5	NA	µg/L	0.000000758	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	129	265	208.5	NA	µg/L	0.00000127	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	157	157	208.5	NA	µg/L	0.000000753	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	144	144	208.5	NA	µg/L	0.000000691	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	128	128	208.5	NA	µg/L	0.000000614	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	71.5	143	208.5	NA	µg/L	0.000000686	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	136	136	208.5	NA	µg/L	0.000000652	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	66	66	208.5	NA	µg/L	0.000000317	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	117	117	208.5	NA	µg/L	0.000000561	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	122	122	208.5	NA	µg/L	0.000000585	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	143	143	208.5	NA	µg/L	0.000000686	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	136	136	208.5	NA	µg/L	0.000000652	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	168	168	208.5	NA	µg/L	0.000000806	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	57.5	1,780	208.5	NA	µg/L	0.00000854	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	82.7	3,090	208.5	NA	µg/L	0.0000148	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	71.8	4,490	208.5	NA	µg/L	0.0000215	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	109	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NA	0	208.5	NA	µg/L	0	R

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	208	588	208.5	NA	µg/L	0.00000282	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	199	199	208.5	NA	µg/L	0.000000954	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	215	353	208.5	NA	µg/L	0.00000169	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	185	185	208.5	NA	µg/L	0.000000887	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	233	233	208.5	NA	µg/L	0.00000112	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	229	229	208.5	NA	µg/L	0.00000110	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	228	228	208.5	NA	µg/L	0.00000109	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	185	432	208.5	NA	µg/L	0.00000207	J
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NA	0	208.5	NA	µg/L	0	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	218	218	208.5	NA	µg/L	0.00000105	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	192	192	208.5	NA	µg/L	0.000000921	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	217	217	208.5	NA	µg/L	0.00000104	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	211	211	208.5	NA	µg/L	0.00000101	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	212	212	208.5	NA	µg/L	0.00000102	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	0	208.5	6.4	pg/L	0	A
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	21.1	21.1	208.5	NA	µg/L	0.000000101	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	41	41	208.5	NA	µg/L	0.000000197	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	29.2	29.2	208.5	NA	µg/L	0.000000140	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	31.7	31.7	208.5	NA	µg/L	0.000000152	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	56.1	56.1	208.5	NA	µg/L	0.000000269	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	34.5	34.5	208.5	NA	µg/L	0.000000165	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	57.4	57.4	208.5	NA	µg/L	0.000000275	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	54.9	54.9	208.5	NA	µg/L	0.000000263	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	50.5	50.5	208.5	NA	µg/L	0.000000242	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	54.5	54.5	208.5	NA	µg/L	0.000000261	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	47.3	47.3	208.5	NA	µg/L	0.000000227	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	42.3	42.3	208.5	NA	µg/L	0.000000203	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	56.8	56.8	208.5	NA	µg/L	0.000000272	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	61.7	61.7	208.5	NA	µg/L	0.000000296	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	97.9	97.9	208.5	NA	µg/L	0.000000470	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	24.3	24.3	208.5	NA	µg/L	0.000000117	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	41	41	208.5	NA	µg/L	0.000000197	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	40	40	208.5	NA	µg/L	0.000000192	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	54.5	54.5	208.5	NA	µg/L	0.000000261	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	126	126	208.5	NA	µg/L	0.000000604	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	138	138	208.5	NA	µg/L	0.000000662	R
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	55.6	55.6	208.5	NA	µg/L	0.000000267	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	47.3	47.3	208.5	NA	µg/L	0.000000227	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	97.9	97.9	208.5	NA	µg/L	0.000000470	U
SIB-SW-AAM107-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	61.7	61.7	208.5	NA	µg/L	0.000000296	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DIELDRIN	E1699M	2,620	2,620	270	NA	µg/L	0.00000970	UJ

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,340	1,340	270	NA	µg/L	0.00000496	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDD; P,P'-	E1699M	1,660	2,170	270	NA	µg/L	0.00000804	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	2,840	270	0.031	ng/L	0.0105	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDE; O,P'-	E1699M	898	898	270	NA	µg/L	0.00000333	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDE; P,P'-	E1699M	735	1,530	270	NA	µg/L	0.00000567	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	1,980	270	0.018	ng/L	0.0073	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDT; O,P'-	E1699M	3,650	3,650	270	NA	µg/L	0.0000135	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	O/P	DDT; P,P'-	E1699M	3,410	3,410	270	NA	µg/L	0.0000126	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3,650	3,650	270	0.022	ng/L	0.0135	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	8,350	270	10	ng/L	0.0309	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	14.6	17.3	270	NA	µg/L	0.0000000641	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	7.72	7.72	270	NA	µg/L	0.0000000286	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	12.9	323	270	NA	µg/L	0.00000120	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	7.13	7.13	270	NA	µg/L	0.0000000264	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	7.86	7.86	270	NA	µg/L	0.0000000291	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	42.7	42.7	270	NA	µg/L	0.000000158	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	9.61	25,900	270	NA	µg/L	0.0000959	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	6.28	388	270	NA	µg/L	0.00000144	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	12.1	148	270	NA	µg/L	0.000000548	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	11.7	612	270	NA	µg/L	0.00000227	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	14.1	14.1	270	NA	µg/L	0.0000000522	UJ
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	12.8	41.5	270	NA	µg/L	0.000000154	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	4.57	22.6	270	NA	µg/L	0.0000000837	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	12.6	24,200	270	NA	µg/L	0.0000896	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	14	80.5	270	NA	µg/L	0.000000298	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	13.9	13.9	270	NA	µg/L	0.0000000515	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	35.6	242	270	NA	µg/L	0.000000896	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	31.1	85.8	270	NA	µg/L	0.000000318	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	30.9	52.7	270	NA	µg/L	0.000000195	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	28.2	399	270	NA	µg/L	0.00000148	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	28.5	174	270	NA	µg/L	0.000000644	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	31.2	31.2	270	NA	µg/L	0.000000116	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5.45	49.1	270	NA	µg/L	0.000000182	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	7.21	57.8	270	NA	µg/L	0.000000214	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	4.68	144	270	NA	µg/L	0.000000533	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	25.1	627	270	NA	µg/L	0.00000232	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	25.5	25.5	270	NA	µg/L	0.0000000944	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	27.3	27.3	270	NA	µg/L	0.000000101	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	28.4	197	270	NA	µg/L	0.000000730	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5.15	5.15	270	NA	µg/L	0.0000000191	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	31	33.5	270	NA	µg/L	0.000000124	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	25	432	270	NA	µg/L	0.00000160	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	4.52	4.52	270	NA	µg/L	0.0000000167	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5.22	5.22	270	NA	µg/L	0.0000000193	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	40	40	270	NA	µg/L	0.000000148	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	23.3	34.3	270	NA	µg/L	0.000000127	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	23.9	23.9	270	NA	µg/L	0.0000000885	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20.9	20.9	270	NA	µg/L	0.0000000774	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	48.7	167	270	NA	µg/L	0.000000619	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	15	85.6	270	NA	µg/L	0.000000317	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	11.8	1,600	270	NA	µg/L	0.00000593	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	13.2	633	270	NA	µg/L	0.00000234	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	14	18.8	270	NA	µg/L	0.0000000696	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	12	16.6	270	NA	µg/L	0.0000000615	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	12.3	915	270	NA	µg/L	0.00000339	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	17.1	109	270	NA	µg/L	0.000000404	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	8.11	315	270	NA	µg/L	0.00000117	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	14.1	32.2	270	NA	µg/L	0.000000119	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	11.6	11.7	270	NA	µg/L	0.0000000433	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	13	383	270	NA	µg/L	0.00000142	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10.6	204	270	NA	µg/L	0.000000756	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	11.7	11.7	270	NA	µg/L	0.0000000433	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	13.7	13.7	270	NA	µg/L	0.0000000507	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	12.4	121	270	NA	µg/L	0.000000448	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	12.4	12.4	270	NA	µg/L	0.0000000459	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	11.2	1,750	270	NA	µg/L	0.00000648	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	7.19	7.19	270	NA	µg/L	0.0000000266	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	7.59	7.59	270	NA	µg/L	0.0000000281	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	6.84	6.84	270	NA	µg/L	0.0000000253	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	9.47	1,300	270	NA	µg/L	0.00000481	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	11.8	8.07	270	NA	µg/L	0.0000000299	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	6.66	6.66	270	NA	µg/L	0.0000000247	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	68.5	120	270	NA	µg/L	0.000000444	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	9.01	157	270	NA	µg/L	0.000000581	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	36.6	36.6	270	NA	µg/L	0.000000136	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	43.8	43.8	270	NA	µg/L	0.000000162	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10.4	10.4	270	NA	µg/L	0.0000000385	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	8.64	8.64	270	NA	µg/L	0.0000000320	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	8.36	115	270	NA	µg/L	0.000000426	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10.1	10.1	270	NA	µg/L	0.0000000374	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	67.8	67.8	270	NA	µg/L	0.000000251	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	7.79	283	270	NA	µg/L	0.00000105	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	55.1	55.1	270	NA	µg/L	0.000000204	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	84.7	84.7	270	NA	µg/L	0.000000314	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	26.6	26.6	270	NA	µg/L	0.0000000985	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	25.5	25.5	270	NA	µg/L	0.0000000944	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	39.6	319	270	NA	µg/L	0.00000118	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	67.4	76.9	270	NA	µg/L	0.000000285	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	26.3	30.8	270	NA	µg/L	0.000000114	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	68.9	68.9	270	NA	µg/L	0.000000255	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	19.3	19.3	270	NA	µg/L	0.0000000715	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	22.7	129	270	NA	µg/L	0.000000478	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	18.8	18.8	270	NA	µg/L	0.0000000696	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20.5	20.5	270	NA	µg/L	0.0000000759	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	18.7	29.5	270	NA	µg/L	0.000000109	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20.9	53.5	270	NA	µg/L	0.000000198	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	17.9	17.9	270	NA	µg/L	0.0000000663	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	60.5	60.5	270	NA	µg/L	0.000000224	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-167	E1668	42.6	42.6	270	NA	µg/L	0.000000158	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-82	E1668	22	116	270	NA	µg/L	0.000000430	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	29.4	97	270	NA	µg/L	0.000000359	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	25.9	555	270	NA	µg/L	0.00000206	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	18.2	146	270	NA	µg/L	0.000000541	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	17.3	4,320	270	NA	µg/L	0.0000160	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	19.1	1,790	270	NA	µg/L	0.00000663	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	21.3	21.3	270	NA	µg/L	0.0000000789	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	22.2	22.2	270	NA	µg/L	0.0000000822	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	21.7	21.7	270	NA	µg/L	0.0000000804	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	23.7	189	270	NA	µg/L	0.000000700	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	23.3	291	270	NA	µg/L	0.00000108	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	26.1	26.1	270	NA	µg/L	0.0000000967	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	22.9	22.9	270	NA	µg/L	0.0000000848	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	22.2	2,180	270	NA	µg/L	0.00000807	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	22.9	22.9	270	NA	µg/L	0.0000000848	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	22.2	2,180	270	NA	µg/L	0.00000807	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	6.51	13.5	270	NA	µg/L	0.0000000500	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	15	438	270	NA	µg/L	0.00000162	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	17	41.5	270	NA	µg/L	0.000000154	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	21.2	21.2	270	NA	µg/L	0.0000000785	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	6.43	6.43	270	NA	µg/L	0.0000000238	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	17.2	349	270	NA	µg/L	0.00000129	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	15	37.1	270	NA	µg/L	0.000000137	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	14.8	14.8	270	NA	µg/L	0.0000000548	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	18.6	18.6	270	NA	µg/L	0.0000000689	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	13.9	52	270	NA	µg/L	0.000000193	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	12.6	1,430	270	NA	µg/L	0.00000530	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	15.8	15.8	270	NA	µg/L	0.0000000585	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	13.7	13.7	270	NA	µg/L	0.0000000507	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	14.9	14.9	270	NA	µg/L	0.0000000552	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	14.9	14.9	270	NA	µg/L	0.0000000552	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	15.3	850	270	NA	µg/L	0.00000315	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	15.4	15.4	270	NA	µg/L	0.0000000570	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	12.5	12.5	270	NA	µg/L	0.0000000463	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	16.5	21.4	270	NA	µg/L	0.0000000793	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	14.3	14.3	270	NA	µg/L	0.0000000530	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	26.3	26.3	270	NA	µg/L	0.0000000974	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	16.5	16.5	270	NA	µg/L	0.0000000611	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	27.3	993	270	NA	µg/L	0.00000368	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	21.6	8,090	270	NA	µg/L	0.0000300	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	19.4	354	270	NA	µg/L	0.00000131	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	25.1	218	270	NA	µg/L	0.000000807	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	28.4	84.1	270	NA	µg/L	0.000000311	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	19.1	1,440	270	NA	µg/L	0.00000533	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	21.3	21.3	270	NA	µg/L	0.0000000789	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	26.7	78.3	270	NA	µg/L	0.000000290	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	28.5	28.5	270	NA	µg/L	0.000000106	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	18.7	450	270	NA	µg/L	0.00000167	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	22.4	139	270	NA	µg/L	0.000000515	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	19.7	1,390	270	NA	µg/L	0.00000515	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	21.1	168	270	NA	µg/L	0.000000622	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	19.2	1,360	270	NA	µg/L	0.00000504	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	9.66	9.66	270	NA	µg/L	0.0000000358	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	27.1	231	270	NA	µg/L	0.000000856	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	26.3	26.3	270	NA	µg/L	0.0000000974	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	25.6	49.3	270	NA	µg/L	0.000000183	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	28.5	28.5	270	NA	µg/L	0.000000106	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	16.5	75.2	270	NA	µg/L	0.000000279	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	32.4	112	270	NA	µg/L	0.000000415	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	26.9	382	270	NA	µg/L	0.00000141	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	31.4	31.4	270	NA	µg/L	0.000000116	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	28.9	138	270	NA	µg/L	0.000000511	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	25.2	25.2	270	NA	µg/L	0.0000000933	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	16.7	349	270	NA	µg/L	0.00000129	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	27.6	27.6	270	NA	µg/L	0.000000102	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	15.6	15.6	270	NA	µg/L	0.0000000578	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	29.9	77.3	270	NA	µg/L	0.000000286	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	24.4	24.4	270	NA	µg/L	0.0000000904	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	28.3	28.3	270	NA	µg/L	0.000000105	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	27.1	27.1	270	NA	µg/L	0.000000100	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	28	28	270	NA	µg/L	0.000000104	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	26.8	2,530	270	NA	µg/L	0.00000937	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	46.4	8,060	270	NA	µg/L	0.0000299	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	15.8	12,900	270	NA	µg/L	0.0000478	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	14.9	5,230	270	NA	µg/L	0.0000194	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	12.7	333	270	NA	µg/L	0.00000123	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	12.1	330	270	NA	µg/L	0.00000122	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	8.18	570	270	NA	µg/L	0.00000211	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	11.7	110	270	NA	µg/L	0.000000407	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	17.4	751	270	NA	µg/L	0.00000278	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	16.5	312	270	NA	µg/L	0.00000116	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	18	555	270	NA	µg/L	0.00000206	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	15.6	67.3	270	NA	µg/L	0.000000249	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	18.8	18.8	270	NA	µg/L	0.0000000696	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	19	19	270	NA	µg/L	0.0000000704	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	18.4	180	270	NA	µg/L	0.000000667	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	8.2	14.5	270	NA	µg/L	0.0000000537	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	8.45	46.3	270	NA	µg/L	0.000000171	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	16.3	706	270	NA	µg/L	0.00000261	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	7.75	163	270	NA	µg/L	0.000000604	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	17.9	689	270	NA	µg/L	0.00000255	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	15.8	159	270	NA	µg/L	0.000000589	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	18	240	270	NA	µg/L	0.000000889	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	17	17	270	NA	µg/L	0.0000000630	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	17.3	17.3	270	NA	µg/L	0.0000000641	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	63,800	270	6.4	pg/L	236	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	1.73	4.53	270	NA	µg/L	0.0000000168	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.76	20	270	NA	µg/L	0.0000000741	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.37	2.37	270	NA	µg/L	0.000000009	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	2.09	2.09	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	3.75	3.75	270	NA	µg/L	0.0000000139	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	2.24	2.24	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	3.01	3.01	270	NA	µg/L	0.0000000111	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	2.57	2.57	270	NA	µg/L	0.000000010	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	3.04	3.04	270	NA	µg/L	0.0000000113	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	2.25	2.25	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	4.01	4.01	270	NA	µg/L	0.0000000149	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	2.38	2.38	270	NA	µg/L	0.000000009	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	4.01	4.01	270	NA	µg/L	0.0000000149	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	2.38	2.38	270	NA	µg/L	0.000000009	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	2.2	2.2	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.09	2.09	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	4.13	4.13	270	NA	µg/L	0.0000000153	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.76	40	270	NA	µg/L	0.000000148	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	2.31	8.4	270	NA	µg/L	0.0000000311	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	3.25	3.25	270	NA	µg/L	0.0000000120	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3.08	11	270	NA	µg/L	0.0000000407	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10.7	118	270	NA	µg/L	0.000000437	
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	2.23	2.23	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	4.01	4.01	270	NA	µg/L	0.0000000149	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	2.09	2.09	270	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	4.13	4.13	270	NA	µg/L	0.0000000153	U
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.03	14.1	270	NA	µg/L	0.0000000522	J
SIB-SW-AAM131-BACK-050522	Dissolved	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	5.8	270	0.00051	pg/L	0.0215	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DIELDRIN	E1699M	1000	9,580	271.5	NA	µg/L	0.0000353	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	2,350	271.5	NA	µg/L	0.00000866	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	4,060	271.5	NA	µg/L	0.0000150	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	6,410	271.5	0.031	ng/L	0.0236	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	271.5	NA	µg/L	0.00000368	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	2,000	271.5	NA	µg/L	0.00000737	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	2,500	271.5	0.018	ng/L	0.0092	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	2,920	271.5	NA	µg/L	0.0000108	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	9,370	271.5	NA	µg/L	0.0000345	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	12,300	271.5	0.022	ng/L	0.0453	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	21,200	271.5	10	ng/L	0.0781	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	132	271.5	NA	µg/L	0.000000486	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	1,150	271.5	NA	µg/L	0.00000424	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	22,500	271.5	NA	µg/L	0.0000829	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	3,180	271.5	NA	µg/L	0.0000117	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	944	271.5	NA	µg/L	0.00000348	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	2,940	271.5	NA	µg/L	0.0000108	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	301	271.5	NA	µg/L	0.00000111	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	147	271.5	NA	µg/L	0.000000541	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	696	271.5	NA	µg/L	0.00000256	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	159	271.5	NA	µg/L	0.000000586	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	93.1	271.5	NA	µg/L	0.000000343	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	568	271.5	NA	µg/L	0.00000209	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	329	271.5	NA	µg/L	0.00000121	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	1,260	271.5	NA	µg/L	0.00000464	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	322	271.5	NA	µg/L	0.00000119	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	640	271.5	NA	µg/L	0.00000236	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	140	271.5	NA	µg/L	0.000000516	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	190	271.5	NA	µg/L	0.000000700	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	20	183	271.5	NA	µg/L	0.000000674	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	1,050	271.5	NA	µg/L	0.00000387	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	978	271.5	NA	µg/L	0.00000360	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	211	271.5	NA	µg/L	0.000000777	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	149	271.5	NA	µg/L	0.000000549	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	106	271.5	NA	µg/L	0.000000390	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	253	271.5	NA	µg/L	0.000000932	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	201	271.5	NA	µg/L	0.000000740	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	76.8	271.5	NA	µg/L	0.000000283	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	4,430	271.5	NA	µg/L	0.0000163	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	271.5	NA	µg/L	0.000000147	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	271.5	NA	µg/L	0.000000295	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	18,800	271.5	NA	µg/L	0.0000692	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	2,400	271.5	NA	µg/L	0.00000884	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	271.5	NA	µg/L	0.000000221	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	185	271.5	NA	µg/L	0.000000681	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	4,720	271.5	NA	µg/L	0.0000174	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	13,000	271.5	NA	µg/L	0.0000479	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	22,800	271.5	NA	µg/L	0.0000840	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	15,800	271.5	NA	µg/L	0.0000582	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	1,530	271.5	NA	µg/L	0.00000564	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	2,570	271.5	NA	µg/L	0.00000947	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	604	271.5	NA	µg/L	0.00000222	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	UJ
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	271.5	NA	µg/L	0.000000221	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	271.5	NA	µg/L	0.0000000737	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	27,900	271.5	6.4	pg/L	103	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	19	271.5	NA	µg/L	0.0000000700	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	65.8	271.5	NA	µg/L	0.000000242	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	2.91	271.5	NA	µg/L	0.0000000107	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	3.79	271.5	NA	µg/L	0.0000000140	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	2.34	271.5	NA	µg/L	0.000000009	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	2.68	271.5	NA	µg/L	0.000000010	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	3.34	271.5	NA	µg/L	0.0000000123	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	1.49	271.5	NA	µg/L	0.000000005	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	271.5	NA	µg/L	0.0000000184	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	271.5	NA	µg/L	0.0000000184	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	130	271.5	NA	µg/L	0.000000479	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	29.6	271.5	NA	µg/L	0.000000109	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	26.6	271.5	NA	µg/L	0.0000000980	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	42	271.5	NA	µg/L	0.000000155	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	448	271.5	NA	µg/L	0.00000165	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	6.57	271.5	NA	µg/L	0.0000000242	J
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	271.5	NA	µg/L	0.0000000921	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	271.5	NA	µg/L	0.0000000184	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	5	271.5	NA	µg/L	0.0000000184	U
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	46.8	271.5	NA	µg/L	0.000000172	
SIB-SW-AAM131-BACK-102122	Dissolved	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	23.4	271.5	0.00051	pg/L	0.0862	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DIELDRIN	E1699	1000	1000	229.5	NA	µg/L	0.00000436	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	2,000	229.5	NA	µg/L	0.00000871	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	2,000	229.5	NA	µg/L	0.00000871	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	2,000	2,000	229.5	0.031	ng/L	0.0087	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	229.5	NA	µg/L	0.00000436	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDE; P,P'-	E1699	1000	1000	229.5	NA	µg/L	0.00000436	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	1000	1000	229.5	0.018	ng/L	0.0044	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	2,000	229.5	NA	µg/L	0.00000871	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	2,000	229.5	NA	µg/L	0.00000871	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	2,000	2,000	229.5	0.022	ng/L	0.0087	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	2,000	2,000	229.5	10	ng/L	0.0087	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	4.83	4.83	229.5	NA	µg/L	0.0000000210	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	2.29	33.9	229.5	NA	µg/L	0.000000148	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	4.93	32.5	229.5	NA	µg/L	0.000000142	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	2.13	13.8	229.5	NA	µg/L	0.0000000601	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	2.48	28.2	229.5	NA	µg/L	0.000000123	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3.86	3.86	229.5	NA	µg/L	0.0000000168	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	4.65	1,180	229.5	NA	µg/L	0.00000514	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	4.38	182	229.5	NA	µg/L	0.000000793	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3.98	25	229.5	NA	µg/L	0.000000109	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3.79	125	229.5	NA	µg/L	0.000000545	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	4.63	8.95	229.5	NA	µg/L	0.0000000390	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	4.17	9.22	229.5	NA	µg/L	0.0000000402	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3.08	4.53	229.5	NA	µg/L	0.0000000197	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	4.35	775	229.5	NA	µg/L	0.00000338	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	4.79	19.5	229.5	NA	µg/L	0.0000000850	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	4.66	4.66	229.5	NA	µg/L	0.0000000203	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	7.26	7.26	229.5	NA	µg/L	0.0000000316	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	6.97	6.97	229.5	NA	µg/L	0.0000000304	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	6.49	6.49	229.5	NA	µg/L	0.0000000283	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5.97	5.97	229.5	NA	µg/L	0.0000000260	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	6.17	6.17	229.5	NA	µg/L	0.0000000269	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	6.64	6.64	229.5	NA	µg/L	0.0000000289	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3.02	3.02	229.5	NA	µg/L	0.0000000132	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3.84	3.84	229.5	NA	µg/L	0.0000000167	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	2.66	2.66	229.5	NA	µg/L	0.0000000116	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5.64	5.64	229.5	NA	µg/L	0.0000000246	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5.57	5.57	229.5	NA	µg/L	0.0000000243	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5.9	5.9	229.5	NA	µg/L	0.0000000257	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	6.22	10.8	229.5	NA	µg/L	0.0000000471	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	2.88	2.88	229.5	NA	µg/L	0.0000000125	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	6.95	6.95	229.5	NA	µg/L	0.0000000303	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5.39	5.39	229.5	NA	µg/L	0.0000000235	UJ
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	2.53	2.53	229.5	NA	µg/L	0.0000000110	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3.09	3.09	229.5	NA	µg/L	0.0000000135	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	8.38	8.38	229.5	NA	µg/L	0.0000000365	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5.37	5.37	229.5	NA	µg/L	0.0000000234	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5.25	5.25	229.5	NA	µg/L	0.0000000229	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	4.61	4.61	229.5	NA	µg/L	0.0000000201	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	9.88	9.88	229.5	NA	µg/L	0.0000000431	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	4.47	4.47	229.5	NA	µg/L	0.0000000195	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3.68	3.68	229.5	NA	µg/L	0.0000000160	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3.92	3.92	229.5	NA	µg/L	0.0000000171	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	4.07	4.07	229.5	NA	µg/L	0.0000000177	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3.61	3.61	229.5	NA	µg/L	0.0000000157	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3.79	3.79	229.5	NA	µg/L	0.0000000165	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	4.8	4.8	229.5	NA	µg/L	0.0000000209	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3.33	17.3	229.5	NA	µg/L	0.0000000754	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	4.03	4.03	229.5	NA	µg/L	0.0000000176	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3.68	3.68	229.5	NA	µg/L	0.0000000160	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3.98	19.7	229.5	NA	µg/L	0.0000000858	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3.25	9.8	229.5	NA	µg/L	0.0000000427	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3.7	3.7	229.5	NA	µg/L	0.0000000161	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	4.08	4.08	229.5	NA	µg/L	0.0000000178	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3.82	3.82	229.5	NA	µg/L	0.0000000166	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3.75	3.75	229.5	NA	µg/L	0.0000000163	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3.62	91.4	229.5	NA	µg/L	0.000000398	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	2.93	2.93	229.5	NA	µg/L	0.0000000128	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3.2	3.2	229.5	NA	µg/L	0.0000000139	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	2.75	2.75	229.5	NA	µg/L	0.0000000120	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3.01	63.8	229.5	NA	µg/L	0.000000278	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3.59	3.59	229.5	NA	µg/L	0.0000000156	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3.06	3.06	229.5	NA	µg/L	0.0000000133	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	12.5	12.5	229.5	NA	µg/L	0.0000000545	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	2.84	2.84	229.5	NA	µg/L	0.0000000124	UJ
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	7.55	7.55	229.5	NA	µg/L	0.0000000329	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	8.87	8.87	229.5	NA	µg/L	0.0000000386	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3.2	3.2	229.5	NA	µg/L	0.0000000139	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	2.72	2.72	229.5	NA	µg/L	0.0000000119	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	2.78	2.78	229.5	NA	µg/L	0.0000000121	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3.17	3.17	229.5	NA	µg/L	0.0000000138	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	24.2	24.2	229.5	NA	µg/L	0.000000105	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	2.39	75.9	229.5	NA	µg/L	0.000000331	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	14.6	14.6	229.5	NA	µg/L	0.0000000636	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	18.5	18.5	229.5	NA	µg/L	0.0000000806	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	9.84	9.84	229.5	NA	µg/L	0.0000000429	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10.6	10.6	229.5	NA	µg/L	0.0000000462	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	11.4	11.4	229.5	NA	µg/L	0.0000000497	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	15.1	15.1	229.5	NA	µg/L	0.0000000658	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10	10	229.5	NA	µg/L	0.0000000436	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	15.9	15.9	229.5	NA	µg/L	0.0000000693	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	7.74	7.74	229.5	NA	µg/L	0.0000000337	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	9.16	9.16	229.5	NA	µg/L	0.0000000399	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	7.93	7.93	229.5	NA	µg/L	0.0000000346	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	8.4	8.4	229.5	NA	µg/L	0.0000000366	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	8.26	8.26	229.5	NA	µg/L	0.0000000360	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	8.18	8.18	229.5	NA	µg/L	0.0000000356	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	7.31	7.31	229.5	NA	µg/L	0.0000000319	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	14.4	14.4	229.5	NA	µg/L	0.0000000627	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-167	E1668	9.38	9.38	229.5	NA	µg/L	0.0000000409	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-82	E1668	3.81	14.6	229.5	NA	µg/L	0.0000000636	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	4.34	4.34	229.5	NA	µg/L	0.0000000189	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	4.44	47.7	229.5	NA	µg/L	0.000000208	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3.53	3.53	229.5	NA	µg/L	0.0000000154	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3.26	107	229.5	NA	µg/L	0.000000466	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3.5	181	229.5	NA	µg/L	0.000000789	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3.69	3.69	229.5	NA	µg/L	0.0000000161	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	4.6	4.6	229.5	NA	µg/L	0.0000000200	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3.74	3.74	229.5	NA	µg/L	0.0000000163	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3.48	25.6	229.5	NA	µg/L	0.000000112	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3.93	33.3	229.5	NA	µg/L	0.000000145	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	4.37	4.37	229.5	NA	µg/L	0.0000000190	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	4.12	4.12	229.5	NA	µg/L	0.0000000180	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3.87	146	229.5	NA	µg/L	0.000000636	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	1.55	1.55	229.5	NA	µg/L	0.000000007	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3.05	72.4	229.5	NA	µg/L	0.000000315	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3.03	5.26	229.5	NA	µg/L	0.0000000229	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3.71	3.06	229.5	NA	µg/L	0.0000000133	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	1.56	1.56	229.5	NA	µg/L	0.000000007	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	2.87	30.9	229.5	NA	µg/L	0.000000135	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	2.9	2.9	229.5	NA	µg/L	0.0000000126	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	2.62	2.62	229.5	NA	µg/L	0.0000000114	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3.48	3.48	229.5	NA	µg/L	0.0000000152	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	2.54	4.09	229.5	NA	µg/L	0.0000000178	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	2.6	144	229.5	NA	µg/L	0.000000627	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	2.81	2.81	229.5	NA	µg/L	0.0000000122	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	2.44	2.44	229.5	NA	µg/L	0.0000000106	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3.14	3.14	229.5	NA	µg/L	0.0000000137	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	2.88	2.88	229.5	NA	µg/L	0.0000000125	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3.03	95.5	229.5	NA	µg/L	0.000000416	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	2.51	2.51	229.5	NA	µg/L	0.0000000109	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	2.38	2.38	229.5	NA	µg/L	0.0000000104	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	2.92	3.79	229.5	NA	µg/L	0.0000000165	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	2.58	2.58	229.5	NA	µg/L	0.0000000112	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	9.22	9.22	229.5	NA	µg/L	0.0000000402	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	2.58	2.58	229.5	NA	µg/L	0.0000000112	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	11	261	229.5	NA	µg/L	0.00000114	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	7.94	1,270	229.5	NA	µg/L	0.00000553	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	4.81	70.8	229.5	NA	µg/L	0.000000308	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5.68	39.8	229.5	NA	µg/L	0.000000173	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	7.01	9.49	229.5	NA	µg/L	0.0000000414	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	4.76	214	229.5	NA	µg/L	0.000000932	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	4.9	6.35	229.5	NA	µg/L	0.0000000277	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	6.05	12.8	229.5	NA	µg/L	0.0000000558	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	6.73	21.2	229.5	NA	µg/L	0.0000000924	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	4.58	107	229.5	NA	µg/L	0.000000466	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5.25	35.6	229.5	NA	µg/L	0.000000155	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	4.51	21.9	229.5	NA	µg/L	0.0000000954	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5.07	31.2	229.5	NA	µg/L	0.000000136	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	4.62	197	229.5	NA	µg/L	0.000000858	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3.68	3.68	229.5	NA	µg/L	0.0000000160	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10.8	38.2	229.5	NA	µg/L	0.000000166	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10.3	10.3	229.5	NA	µg/L	0.0000000449	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	9.78	9.78	229.5	NA	µg/L	0.0000000426	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	11	11	229.5	NA	µg/L	0.0000000479	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	4.26	15.2	229.5	NA	µg/L	0.0000000662	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	12.5	21.4	229.5	NA	µg/L	0.0000000932	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10.2	109	229.5	NA	µg/L	0.000000475	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	11.8	11.8	229.5	NA	µg/L	0.0000000514	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	11.3	11.3	229.5	NA	µg/L	0.0000000492	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	9.76	9.76	229.5	NA	µg/L	0.0000000425	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	4.03	56.5	229.5	NA	µg/L	0.000000246	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10.6	10.6	229.5	NA	µg/L	0.0000000462	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3.92	3.92	229.5	NA	µg/L	0.0000000171	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	13.5	13.5	229.5	NA	µg/L	0.0000000588	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	9.45	9.45	229.5	NA	µg/L	0.0000000412	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	11.3	11.3	229.5	NA	µg/L	0.0000000492	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10.5	10.5	229.5	NA	µg/L	0.0000000458	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	12.9	12.9	229.5	NA	µg/L	0.0000000562	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	6.15	72.7	229.5	NA	µg/L	0.000000317	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	12.3	355	229.5	NA	µg/L	0.00000155	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3.78	951	229.5	NA	µg/L	0.00000414	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	3.57	773	229.5	NA	µg/L	0.00000337	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3.37	30.6	229.5	NA	µg/L	0.000000133	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3.32	110	229.5	NA	µg/L	0.000000479	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	2.42	84.7	229.5	NA	µg/L	0.000000369	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3.35	46.1	229.5	NA	µg/L	0.000000201	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3.66	141	229.5	NA	µg/L	0.000000614	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3.45	31.7	229.5	NA	µg/L	0.000000138	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3.72	60.2	229.5	NA	µg/L	0.000000262	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3.21	18	229.5	NA	µg/L	0.0000000784	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3.89	3.89	229.5	NA	µg/L	0.0000000169	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3.95	3.95	229.5	NA	µg/L	0.0000000172	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3.91	26.9	229.5	NA	µg/L	0.000000117	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	2.52	3.01	229.5	NA	µg/L	0.0000000131	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	2.48	23.9	229.5	NA	µg/L	0.000000104	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3.33	102	229.5	NA	µg/L	0.000000444	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	2.24	59.8	229.5	NA	µg/L	0.000000261	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3.86	3.86	229.5	NA	µg/L	0.0000000168	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3.25	3.25	229.5	NA	µg/L	0.0000000142	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3.79	27	229.5	NA	µg/L	0.000000118	
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3.6	3.6	229.5	NA	µg/L	0.0000000157	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3.59	3.59	229.5	NA	µg/L	0.0000000156	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	4,750	229.5	6.4	pg/L	21	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	0.713	0.713	229.5	NA	µg/L	0.000000003	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	1.11	1.11	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	1.18	1.18	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.08	1.08	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	1.13	1.13	229.5	NA	µg/L	0.000000005	UJ
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	0.915	0.915	229.5	NA	µg/L	0.000000004	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.17	1.17	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.42	1.42	229.5	NA	µg/L	0.000000006	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.14	1.14	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.73	1.73	229.5	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	1.52	1.52	229.5	NA	µg/L	0.000000007	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	0.994	0.994	229.5	NA	µg/L	0.000000004	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.73	1.73	229.5	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.53	1.53	229.5	NA	µg/L	0.000000007	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.31	2.31	229.5	NA	µg/L	0.0000000101	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	0.892	0.892	229.5	NA	µg/L	0.000000004	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.11	1.11	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.07	1.07	229.5	NA	µg/L	0.000000005	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.15	5.23	229.5	NA	µg/L	0.0000000228	J
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3.76	3.76	229.5	NA	µg/L	0.0000000164	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	2.38	2.38	229.5	NA	µg/L	0.0000000104	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.73	1.73	229.5	NA	µg/L	0.000000008	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.52	1.52	229.5	NA	µg/L	0.000000007	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.31	2.31	229.5	NA	µg/L	0.0000000101	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	1.53	1.53	229.5	NA	µg/L	0.000000007	U
SIB-SW-AAM131-BACK-030923	Dissolved	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	2.3	2.3	229.5	0.00051	pg/L	0.0100	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DIELDRIN	E1699M	1,110	8,980	309	NA	µg/L	0.0000291	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDD; 2,4'-	E1699M	925	925	309	NA	µg/L	0.00000299	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDD; P,P'-	E1699M	1,100	1,100	309	NA	µg/L	0.00000356	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	1,100	1,100	309	0.031	ng/L	0.0036	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDE; O,P'-	E1699M	547	547	309	NA	µg/L	0.00000177	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDE; P,P'-	E1699M	481	853	309	NA	µg/L	0.00000276	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	1,130	309	0.018	ng/L	0.0037	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDT; O,P'-	E1699M	2,050	2,050	309	NA	µg/L	0.00000663	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	O/P	DDT; P,P'-	E1699M	2,150	2,150	309	NA	µg/L	0.00000696	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	2,150	2,150	309	0.022	ng/L	0.0070	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	4,240	309	10	ng/L	0.0137	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	17.1	1,760	309	NA	µg/L	0.00000570	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	21.9	4,620	309	NA	µg/L	0.0000150	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	15.4	8,340	309	NA	µg/L	0.0000270	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	9.08	589	309	NA	µg/L	0.00000191	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	9.97	3,550	309	NA	µg/L	0.0000115	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	26.1	26.1	309	NA	µg/L	0.0000000845	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	14.4	125,000	309	NA	µg/L	0.000405	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	13.4	14,300	309	NA	µg/L	0.0000463	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	14.3	13,800	309	NA	µg/L	0.0000447	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	14	66,500	309	NA	µg/L	0.000215	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	17	3,070	309	NA	µg/L	0.00000994	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	15.3	4,650	309	NA	µg/L	0.0000150	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	9.69	1,050	309	NA	µg/L	0.00000340	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	14.8	10,700	309	NA	µg/L	0.0000346	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	16.4	1,210	309	NA	µg/L	0.00000392	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	16.4	16.4	309	NA	µg/L	0.0000000531	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	14.9	100	309	NA	µg/L	0.000000324	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	14.2	47.7	309	NA	µg/L	0.000000154	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	14	21.7	309	NA	µg/L	0.0000000702	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	12.9	223	309	NA	µg/L	0.000000722	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	12.9	92.5	309	NA	µg/L	0.000000299	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	13.9	13.9	309	NA	µg/L	0.0000000450	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3.99	40.2	309	NA	µg/L	0.000000130	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5.28	58.6	309	NA	µg/L	0.000000190	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3.45	190	309	NA	µg/L	0.000000615	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	11.6	339	309	NA	µg/L	0.00000110	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	11.5	11.5	309	NA	µg/L	0.0000000372	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	12.4	12.4	309	NA	µg/L	0.0000000401	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	12.9	138	309	NA	µg/L	0.000000447	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3.73	3.73	309	NA	µg/L	0.0000000121	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	14	32	309	NA	µg/L	0.000000104	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	11.3	363	309	NA	µg/L	0.00000117	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3.3	3.3	309	NA	µg/L	0.0000000107	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3.63	3.63	309	NA	µg/L	0.0000000117	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	17.8	17.8	309	NA	µg/L	0.0000000576	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10.4	10.4	309	NA	µg/L	0.0000000337	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10.9	10.9	309	NA	µg/L	0.0000000353	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	9.64	9.64	309	NA	µg/L	0.0000000312	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	20.8	126	309	NA	µg/L	0.000000408	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10.8	61.9	309	NA	µg/L	0.000000200	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	8.19	868	309	NA	µg/L	0.00000281	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	9.44	388	309	NA	µg/L	0.00000126	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10.1	16	309	NA	µg/L	0.0000000518	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	8.67	10.2	309	NA	µg/L	0.0000000330	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	8.72	614	309	NA	µg/L	0.00000199	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	11	86.6	309	NA	µg/L	0.000000280	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	6.67	276	309	NA	µg/L	0.000000893	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	9.11	31.5	309	NA	µg/L	0.000000102	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	8.2	20.6	309	NA	µg/L	0.0000000667	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	9.11	195	309	NA	µg/L	0.000000631	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	7.27	118	309	NA	µg/L	0.000000382	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	9.11	9.11	309	NA	µg/L	0.0000000295	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	9.95	9.95	309	NA	µg/L	0.0000000322	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	8.98	72.9	309	NA	µg/L	0.000000236	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	8.77	8.77	309	NA	µg/L	0.0000000284	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	7.93	1,100	309	NA	µg/L	0.00000356	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5.92	5.92	309	NA	µg/L	0.0000000192	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	6.26	6.26	309	NA	µg/L	0.0000000203	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5.47	5.47	309	NA	µg/L	0.0000000177	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	6.72	723	309	NA	µg/L	0.00000234	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	8.21	13.4	309	NA	µg/L	0.0000000434	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5.4	5.4	309	NA	µg/L	0.0000000175	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	42.8	68.1	309	NA	µg/L	0.000000220	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	6.53	84.9	309	NA	µg/L	0.000000275	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	15.7	15.7	309	NA	µg/L	0.0000000508	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	18.8	18.8	309	NA	µg/L	0.0000000608	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	7.29	7.29	309	NA	µg/L	0.0000000236	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	6.33	6.33	309	NA	µg/L	0.0000000205	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	6.49	61.2	309	NA	µg/L	0.000000198	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	7.26	7.26	309	NA	µg/L	0.0000000235	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	32.2	32.2	309	NA	µg/L	0.000000104	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	15.9	8,770	309	NA	µg/L	0.0000284	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	52.1	52.1	309	NA	µg/L	0.000000169	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	75.1	75.1	309	NA	µg/L	0.000000243	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	28.1	28.1	309	NA	µg/L	0.0000000909	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	29.1	29.1	309	NA	µg/L	0.0000000942	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	17.1	387	309	NA	µg/L	0.00000125	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	27.1	57	309	NA	µg/L	0.000000184	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	13.6	41.7	309	NA	µg/L	0.000000135	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	27.9	20.4	309	NA	µg/L	0.0000000660	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	9.63	9.63	309	NA	µg/L	0.0000000312	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	11.8	86.3	309	NA	µg/L	0.000000279	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10	28.3	309	NA	µg/L	0.0000000916	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10.4	32.1	309	NA	µg/L	0.000000104	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	9.5	60	309	NA	µg/L	0.000000194	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10.9	60.7	309	NA	µg/L	0.000000196	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	9.02	9.02	309	NA	µg/L	0.0000000292	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	24.7	24.7	309	NA	µg/L	0.0000000799	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-167	E1668	17.9	25.3	309	NA	µg/L	0.0000000819	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-82	E1668	14.3	167	309	NA	µg/L	0.000000540	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	17.9	128	309	NA	µg/L	0.000000414	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	17.3	1,240	309	NA	µg/L	0.00000401	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	12.5	273	309	NA	µg/L	0.000000883	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	11.4	1,340	309	NA	µg/L	0.00000434	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	12.5	2,350	309	NA	µg/L	0.00000761	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	14.1	41.5	309	NA	µg/L	0.000000134	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	16.3	16.3	309	NA	µg/L	0.0000000528	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	12.5	12.5	309	NA	µg/L	0.0000000405	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	13.9	480	309	NA	µg/L	0.00000155	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	15	494	309	NA	µg/L	0.00000160	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	16.9	17.1	309	NA	µg/L	0.0000000553	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	14.6	18.8	309	NA	µg/L	0.0000000608	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	14.8	3,790	309	NA	µg/L	0.0000123	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	6	38.4	309	NA	µg/L	0.000000124	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10.7	713	309	NA	µg/L	0.00000231	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	12.9	95.9	309	NA	µg/L	0.000000310	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	13.9	20.8	309	NA	µg/L	0.0000000673	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5.85	5.85	309	NA	µg/L	0.0000000189	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10.2	251	309	NA	µg/L	0.000000812	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	9.87	40.2	309	NA	µg/L	0.000000130	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	9.36	9.36	309	NA	µg/L	0.0000000303	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	12	12	309	NA	µg/L	0.0000000388	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	8.72	53.2	309	NA	µg/L	0.000000172	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	9.27	1,860	309	NA	µg/L	0.00000602	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10.3	10.3	309	NA	µg/L	0.0000000333	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	8.67	8.67	309	NA	µg/L	0.0000000281	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	9.9	18.4	309	NA	µg/L	0.0000000595	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	9.83	19.6	309	NA	µg/L	0.0000000634	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	9.59	655	309	NA	µg/L	0.00000212	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	8.85	8.85	309	NA	µg/L	0.0000000286	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	8.27	8.27	309	NA	µg/L	0.0000000268	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10.2	42.9	309	NA	µg/L	0.000000139	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	9.3	9.3	309	NA	µg/L	0.0000000301	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	15.7	15.7	309	NA	µg/L	0.0000000508	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	9.81	9.81	309	NA	µg/L	0.0000000317	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	19.7	2,270	309	NA	µg/L	0.00000735	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	13.3	45,500	309	NA	µg/L	0.000147	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	9.26	2,830	309	NA	µg/L	0.00000916	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	11.5	1,950	309	NA	µg/L	0.00000631	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	12.7	1,050	309	NA	µg/L	0.00000340	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	8.87	8,500	309	NA	µg/L	0.0000275	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10.1	331	309	NA	µg/L	0.00000107	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	12.6	1,130	309	NA	µg/L	0.00000366	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	12.5	3,110	309	NA	µg/L	0.0000101	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	8.68	4,600	309	NA	µg/L	0.0000149	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10.4	2,040	309	NA	µg/L	0.00000660	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	9.61	869	309	NA	µg/L	0.00000281	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	9.92	2,070	309	NA	µg/L	0.00000670	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	8.87	9,370	309	NA	µg/L	0.0000303	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	8.59	35.7	309	NA	µg/L	0.000000116	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	19.4	402	309	NA	µg/L	0.00000130	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	18.9	18.9	309	NA	µg/L	0.0000000612	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	18.3	87	309	NA	µg/L	0.000000282	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20.7	20.7	309	NA	µg/L	0.0000000670	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	7.68	693	309	NA	µg/L	0.00000224	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	23.4	291	309	NA	µg/L	0.000000942	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	18.9	918	309	NA	µg/L	0.00000297	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	22	57	309	NA	µg/L	0.000000184	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20.6	202	309	NA	µg/L	0.000000654	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	17.8	45.4	309	NA	µg/L	0.000000147	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	7.78	2,530	309	NA	µg/L	0.00000819	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	19.2	19.2	309	NA	µg/L	0.0000000621	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	7.24	8.96	309	NA	µg/L	0.0000000290	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	19	49.2	309	NA	µg/L	0.000000159	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	17.4	18.1	309	NA	µg/L	0.0000000586	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20.4	20.4	309	NA	µg/L	0.0000000660	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	19.2	19.2	309	NA	µg/L	0.0000000621	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20.2	20.2	309	NA	µg/L	0.0000000654	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	12.3	1,650	309	NA	µg/L	0.00000534	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	24.6	4,960	309	NA	µg/L	0.0000161	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10.2	14,100	309	NA	µg/L	0.0000456	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	14.5	127,000	309	NA	µg/L	0.000411	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	13.9	15,800	309	NA	µg/L	0.0000511	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	13.5	16,500	309	NA	µg/L	0.0000534	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	9.17	28,100	309	NA	µg/L	0.0000909	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	13.4	2,410	309	NA	µg/L	0.00000780	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	15	16,400	309	NA	µg/L	0.0000531	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	14.2	4,770	309	NA	µg/L	0.0000154	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	15.2	10,400	309	NA	µg/L	0.0000337	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	13.3	1,360	309	NA	µg/L	0.00000440	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	16.3	27.8	309	NA	µg/L	0.0000000900	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	16.2	84.7	309	NA	µg/L	0.000000274	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	15.8	3,770	309	NA	µg/L	0.0000122	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	9.45	572	309	NA	µg/L	0.00000185	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	9.64	2,310	309	NA	µg/L	0.00000748	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	13.9	14,400	309	NA	µg/L	0.0000466	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	8.68	9,110	309	NA	µg/L	0.0000295	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	15.2	170	309	NA	µg/L	0.000000550	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	13.4	62.4	309	NA	µg/L	0.000000202	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	15.6	874	309	NA	µg/L	0.00000283	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	14.7	14.7	309	NA	µg/L	0.0000000476	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	14.9	44.1	309	NA	µg/L	0.000000143	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	328,000	309	6.4	pg/L	1,061	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.06	9.61	309	NA	µg/L	0.0000000311	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.42	43.6	309	NA	µg/L	0.000000141	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.58	2.58	309	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.66	1.66	309	NA	µg/L	0.000000005	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	3.94	3.94	309	NA	µg/L	0.0000000128	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.75	1.75	309	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	3.46	3.46	309	NA	µg/L	0.0000000112	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.88	1.88	309	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	3.66	3.66	309	NA	µg/L	0.0000000118	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.7	1.7	309	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.86	2.86	309	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.85	1.85	309	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.65	1.65	309	NA	µg/L	0.000000005	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.09	1.09	309	NA	µg/L	0.000000004	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.87	2.87	309	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	2.42	75.7	309	NA	µg/L	0.000000245	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.78	15	309	NA	µg/L	0.0000000485	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	3.67	3.67	309	NA	µg/L	0.0000000119	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.76	24.8	309	NA	µg/L	0.0000000803	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5.76	280	309	NA	µg/L	0.000000906	
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.67	1.67	309	NA	µg/L	0.000000005	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.86	2.86	309	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.09	1.09	309	NA	µg/L	0.000000004	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	2.87	2.87	309	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.3	23.9	309	NA	µg/L	0.0000000773	J
SIB-SW-AAM169-BACK-050522	Dissolved	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	4.7	309	0.00051	pg/L	0.0152	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DIELDRIN	E1699M	1000	1000	250.5	NA	µg/L	0.00000399	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	823	250.5	NA	µg/L	0.00000329	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	1,120	250.5	NA	µg/L	0.00000447	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,940	250.5	0.031	ng/L	0.0077	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	250.5	NA	µg/L	0.00000399	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	1000	250.5	NA	µg/L	0.00000399	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	1000	1000	250.5	0.018	ng/L	0.0040	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	656	250.5	NA	µg/L	0.00000262	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	1,940	250.5	NA	µg/L	0.00000774	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	2,600	250.5	0.022	ng/L	0.0104	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	5,540	250.5	10	ng/L	0.0221	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	62.4	250.5	NA	µg/L	0.000000249	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	14,500	250.5	NA	µg/L	0.0000579	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	50.3	250.5	NA	µg/L	0.000000201	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	305	250.5	NA	µg/L	0.00000122	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	62.7	250.5	NA	µg/L	0.000000250	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	506	250.5	NA	µg/L	0.00000202	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	236	250.5	NA	µg/L	0.000000942	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	816	250.5	NA	µg/L	0.00000326	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	14.8	250.5	NA	µg/L	0.0000000591	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	51.5	250.5	NA	µg/L	0.000000206	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	250.5	NA	µg/L	0.000000160	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	40	250.5	NA	µg/L	0.000000160	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	675	250.5	NA	µg/L	0.00000269	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	75.5	250.5	NA	µg/L	0.000000301	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	75.5	250.5	NA	µg/L	0.000000301	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4,5,5',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	748	250.5	NA	µg/L	0.00000299	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	132	250.5	NA	µg/L	0.000000527	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	124	250.5	NA	µg/L	0.000000495	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	40.4	250.5	NA	µg/L	0.000000161	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	171	250.5	NA	µg/L	0.000000683	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	29	250.5	NA	µg/L	0.000000116	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	161	250.5	NA	µg/L	0.000000643	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	250.5	NA	µg/L	0.000000399	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	250.5	NA	µg/L	0.000000240	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	250.5	NA	µg/L	0.000000160	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	250.5	NA	µg/L	0.000000319	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	15,600	250.5	NA	µg/L	0.0000623	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	2,080	250.5	NA	µg/L	0.00000830	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	351	250.5	NA	µg/L	0.00000140	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	3,450	250.5	NA	µg/L	0.0000138	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	10,700	250.5	NA	µg/L	0.0000427	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	18,100	250.5	NA	µg/L	0.0000723	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	9,690	250.5	NA	µg/L	0.0000387	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	250.5	NA	µg/L	0.000000240	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	UJ
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	250.5	NA	µg/L	0.0000000798	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	7,250	250.5	6.4	pg/L	29	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	7.42	250.5	NA	µg/L	0.0000000296	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	72.7	250.5	NA	µg/L	0.000000290	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	4.48	250.5	NA	µg/L	0.0000000179	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	3.85	250.5	NA	µg/L	0.0000000154	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	3.01	250.5	NA	µg/L	0.0000000120	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	140	250.5	NA	µg/L	0.000000559	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	8.02	250.5	NA	µg/L	0.0000000320	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	39.9	250.5	NA	µg/L	0.000000159	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	18.2	250.5	NA	µg/L	0.0000000727	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	417	250.5	NA	µg/L	0.00000166	
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	250.5	NA	µg/L	0.0000000998	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	250.5	NA	µg/L	0.0000000200	U
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	3.27	250.5	NA	µg/L	0.0000000131	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	15.2	250.5	NA	µg/L	0.0000000607	J
SIB-SW-AAM169-BACK-102122	Dissolved	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	26.6	250.5	0.00051	pg/L	0.106	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DIELDRIN	E1699	1000	3,250	279	NA	µg/L	0.0000116	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	1,360	279	NA	µg/L	0.00000487	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	1,620	279	NA	µg/L	0.00000581	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	2,980	279	0.031	ng/L	0.0107	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	279	NA	µg/L	0.00000358	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDE; P,P'-	E1699	1000	378	279	NA	µg/L	0.00000135	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	878	279	0.018	ng/L	0.0031	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	2,000	279	NA	µg/L	0.00000717	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	1,840	279	NA	µg/L	0.00000659	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	2,840	279	0.022	ng/L	0.0102	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	6,700	279	10	ng/L	0.0240	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	3.48	29	279	NA	µg/L	0.000000104	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	3.33	573	279	NA	µg/L	0.00000205	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	3.55	171	279	NA	µg/L	0.000000613	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	2.81	50	279	NA	µg/L	0.000000179	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3.3	76.1	279	NA	µg/L	0.000000273	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	1.61	20.4	279	NA	µg/L	0.0000000731	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	3.09	9,470	279	NA	µg/L	0.0000339	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	2.63	1,490	279	NA	µg/L	0.00000534	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	2.85	457	279	NA	µg/L	0.00000164	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	2.8	1,030	279	NA	µg/L	0.00000369	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3.3	92.2	279	NA	µg/L	0.000000330	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	2.98	104	279	NA	µg/L	0.000000373	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	1.78	73.6	279	NA	µg/L	0.000000264	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3	5,940	279	NA	µg/L	0.0000213	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3.49	80.3	279	NA	µg/L	0.000000288	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3.47	7.46	279	NA	µg/L	0.0000000267	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	4.51	73.4	279	NA	µg/L	0.000000263	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3.93	35	279	NA	µg/L	0.000000125	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3.65	18.3	279	NA	µg/L	0.0000000656	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3.56	99.7	279	NA	µg/L	0.000000357	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3.52	52.5	279	NA	µg/L	0.000000188	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3.73	7.47	279	NA	µg/L	0.0000000268	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	0.976	19.7	279	NA	µg/L	0.0000000706	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	1.21	20.4	279	NA	µg/L	0.0000000731	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	0.847	45.6	279	NA	µg/L	0.000000163	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3.18	171	279	NA	µg/L	0.000000613	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3.16	4.59	279	NA	µg/L	0.0000000165	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3.29	5.95	279	NA	µg/L	0.0000000213	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3.31	61	279	NA	µg/L	0.000000219	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	0.914	5.37	279	NA	µg/L	0.0000000192	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	4.06	18.4	279	NA	µg/L	0.0000000659	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3.13	123	279	NA	µg/L	0.000000441	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	0.815	5.52	279	NA	µg/L	0.0000000198	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	1.03	6.63	279	NA	µg/L	0.0000000238	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	4.24	4.24	279	NA	µg/L	0.0000000152	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3.37	10.4	279	NA	µg/L	0.0000000373	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	2.96	6.46	279	NA	µg/L	0.0000000232	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	2.57	4.4	279	NA	µg/L	0.0000000158	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5.98	91.6	279	NA	µg/L	0.000000328	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	2.13	42.4	279	NA	µg/L	0.000000152	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	1.77	557	279	NA	µg/L	0.00000200	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	1.86	197	279	NA	µg/L	0.000000706	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	1.95	11.5	279	NA	µg/L	0.0000000412	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	1.71	12.9	279	NA	µg/L	0.0000000462	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	1.85	289	279	NA	µg/L	0.00000104	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	2.05	39.8	279	NA	µg/L	0.000000143	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	1.38	126	279	NA	µg/L	0.000000452	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	2.06	28.1	279	NA	µg/L	0.000000101	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	1.76	15.6	279	NA	µg/L	0.0000000559	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	1.84	119	279	NA	µg/L	0.000000427	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	1.5	79.7	279	NA	µg/L	0.000000286	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	1.94	6.59	279	NA	µg/L	0.0000000236	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	1.95	1.95	279	NA	µg/L	0.000000007	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	1.79	38.5	279	NA	µg/L	0.000000138	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	1.79	5.49	279	NA	µg/L	0.0000000197	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	1.71	549	279	NA	µg/L	0.00000197	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	1.25	4.06	279	NA	µg/L	0.0000000146	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	1.3	7.55	279	NA	µg/L	0.0000000271	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	1.18	4.92	279	NA	µg/L	0.0000000176	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	1.44	454	279	NA	µg/L	0.00000163	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	1.71	18.5	279	NA	µg/L	0.0000000663	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	1.44	454	279	NA	µg/L	0.00000163	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	1.71	18.5	279	NA	µg/L	0.0000000663	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	1.31	3.79	279	NA	µg/L	0.0000000136	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	7.78	66.6	279	NA	µg/L	0.000000239	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	1.35	60.7	279	NA	µg/L	0.000000218	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	4.44	9.75	279	NA	µg/L	0.0000000349	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5.21	6.63	279	NA	µg/L	0.0000000238	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	1.48	4.24	279	NA	µg/L	0.0000000152	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	1.33	4.64	279	NA	µg/L	0.0000000166	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	1.27	39.3	279	NA	µg/L	0.000000141	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	1.5	5.76	279	NA	µg/L	0.0000000206	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	11.6	11.6	279	NA	µg/L	0.0000000416	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	3.31	699	279	NA	µg/L	0.00000251	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	7.92	28.7	279	NA	µg/L	0.000000103	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10	21.6	279	NA	µg/L	0.0000000774	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5.43	5.43	279	NA	µg/L	0.0000000195	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5.82	7.15	279	NA	µg/L	0.0000000256	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	3.03	183	279	NA	µg/L	0.000000656	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5.14	34.7	279	NA	µg/L	0.000000124	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	1.14	17.1	279	NA	µg/L	0.0000000613	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5.53	14.9	279	NA	µg/L	0.0000000534	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	0.848	3.17	279	NA	µg/L	0.0000000114	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	1.05	46.7	279	NA	µg/L	0.000000167	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	1	8.85	279	NA	µg/L	0.0000000317	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	0.979	9	279	NA	µg/L	0.0000000323	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	1.01	16.5	279	NA	µg/L	0.0000000591	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	0.943	23	279	NA	µg/L	0.0000000824	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	0.859	3.25	279	NA	µg/L	0.0000000116	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5.05	5.48	279	NA	µg/L	0.0000000196	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-167	E1668	5.51	27	279	NA	µg/L	0.0000000968	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-82	E1668	8.61	69.6	279	NA	µg/L	0.000000249	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10.7	43.7	279	NA	µg/L	0.000000157	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	9.6	249	279	NA	µg/L	0.000000892	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	7.34	107	279	NA	µg/L	0.000000384	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	7.51	529	279	NA	µg/L	0.00000190	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	8.11	889	279	NA	µg/L	0.00000319	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	8.4	9.52	279	NA	µg/L	0.0000000341	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	9.44	9.44	279	NA	µg/L	0.0000000338	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	7.6	7.6	279	NA	µg/L	0.0000000272	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	8.83	175	279	NA	µg/L	0.000000627	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	9.11	207	279	NA	µg/L	0.000000742	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10.2	10.2	279	NA	µg/L	0.0000000366	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	9.31	30.4	279	NA	µg/L	0.000000109	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	8.93	1,010	279	NA	µg/L	0.00000362	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	1.12	13.8	279	NA	µg/L	0.0000000495	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	6.47	300	279	NA	µg/L	0.00000108	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	8.03	29.5	279	NA	µg/L	0.000000106	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	8.57	51	279	NA	µg/L	0.000000183	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	8.03	29.5	279	NA	µg/L	0.000000106	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	8.57	51	279	NA	µg/L	0.000000183	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	1.23	4.28	279	NA	µg/L	0.0000000153	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	7.61	235	279	NA	µg/L	0.000000842	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	6.48	33	279	NA	µg/L	0.000000118	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	6.1	6.1	279	NA	µg/L	0.0000000219	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	7.86	14.4	279	NA	µg/L	0.0000000516	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5.9	41.6	279	NA	µg/L	0.000000149	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	6.5	852	279	NA	µg/L	0.00000305	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	6.45	6.45	279	NA	µg/L	0.0000000231	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5.82	5.82	279	NA	µg/L	0.0000000209	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	7.14	19	279	NA	µg/L	0.0000000681	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	6.74	13.6	279	NA	µg/L	0.0000000487	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	6.64	536	279	NA	µg/L	0.00000192	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5.4	5.4	279	NA	µg/L	0.0000000194	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5.29	7.56	279	NA	µg/L	0.0000000271	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	7.17	18.5	279	NA	µg/L	0.0000000663	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5.89	5.89	279	NA	µg/L	0.0000000211	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	4.76	8.72	279	NA	µg/L	0.0000000313	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	6.8	6.8	279	NA	µg/L	0.0000000244	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5.18	676	279	NA	µg/L	0.00000242	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3.68	6,720	279	NA	µg/L	0.0000241	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	2.29	332	279	NA	µg/L	0.00000119	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	2.53	173	279	NA	µg/L	0.000000620	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	2.97	36.1	279	NA	µg/L	0.000000129	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	2.22	1,040	279	NA	µg/L	0.00000373	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	2.38	24.1	279	NA	µg/L	0.0000000864	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	2.85	111	279	NA	µg/L	0.000000398	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	2.81	179	279	NA	µg/L	0.000000642	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	2.11	806	279	NA	µg/L	0.00000289	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	2.44	117	279	NA	µg/L	0.000000419	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	2.26	391	279	NA	µg/L	0.00000140	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	2.34	416	279	NA	µg/L	0.00000149	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	2.01	1,400	279	NA	µg/L	0.00000502	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	1.52	41.6	279	NA	µg/L	0.000000149	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5.01	122	279	NA	µg/L	0.000000437	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	4.77	6.48	279	NA	µg/L	0.0000000232	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	4.67	6.48	279	NA	µg/L	0.0000000232	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5.28	6.55	279	NA	µg/L	0.0000000235	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	1.97	73.9	279	NA	µg/L	0.000000265	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5.79	62.7	279	NA	µg/L	0.000000225	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	4.73	250	279	NA	µg/L	0.000000896	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5.78	21.5	279	NA	µg/L	0.0000000771	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5.3	74.1	279	NA	µg/L	0.000000266	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	4.71	14.8	279	NA	µg/L	0.0000000530	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	1.88	242	279	NA	µg/L	0.000000867	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5	22.2	279	NA	µg/L	0.0000000796	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	1.74	8.33	279	NA	µg/L	0.0000000299	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	6.37	38.8	279	NA	µg/L	0.000000139	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	4.49	21.8	279	NA	µg/L	0.0000000781	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5.26	5.74	279	NA	µg/L	0.0000000206	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	4.98	4.98	279	NA	µg/L	0.0000000178	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	6.18	6.18	279	NA	µg/L	0.0000000222	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3.16	803	279	NA	µg/L	0.00000288	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	6.56	2,930	279	NA	µg/L	0.0000105	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5.69	5,490	279	NA	µg/L	0.0000197	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	4.3	7,800	279	NA	µg/L	0.0000280	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	4.07	828	279	NA	µg/L	0.00000297	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3.87	1,110	279	NA	µg/L	0.00000398	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	2.84	1,820	279	NA	µg/L	0.00000652	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3.95	509	279	NA	µg/L	0.00000182	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	4.44	674	279	NA	µg/L	0.00000242	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	4.25	209	279	NA	µg/L	0.000000749	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	4.58	508	279	NA	µg/L	0.00000182	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3.95	120	279	NA	µg/L	0.000000430	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	4.97	4.97	279	NA	µg/L	0.0000000178	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	4.88	27.3	279	NA	µg/L	0.0000000978	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	4.85	317	279	NA	µg/L	0.00000114	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	2.86	23.3	279	NA	µg/L	0.0000000835	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	2.89	173	279	NA	µg/L	0.000000620	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3.94	565	279	NA	µg/L	0.00000203	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	2.66	637	279	NA	µg/L	0.00000228	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	4.65	113	279	NA	µg/L	0.000000405	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	4.09	39.5	279	NA	µg/L	0.000000142	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	4.64	103	279	NA	µg/L	0.000000369	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	4.49	6.8	279	NA	µg/L	0.0000000244	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	4.52	7.6	279	NA	µg/L	0.0000000272	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	34,200	279	6.4	pg/L	123	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	1.9	3.72	279	NA	µg/L	0.0000000133	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	1.78	10.1	279	NA	µg/L	0.0000000362	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.26	2.26	279	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.68	1.68	279	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.28	2.28	279	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.63	1.63	279	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	2.15	2.15	279	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	2	2	279	NA	µg/L	0.000000007	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	2.1	2.1	279	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.94	1.94	279	NA	µg/L	0.000000007	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.47	2.47	279	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.75	1.75	279	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.85	1.85	279	NA	µg/L	0.000000007	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	2.52	2.52	279	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3.44	3.44	279	NA	µg/L	0.0000000123	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.06	8.93	279	NA	µg/L	0.0000000320	J
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	1.78	23.2	279	NA	µg/L	0.0000000832	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.75	1.75	279	NA	µg/L	0.000000006	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.17	2.17	279	NA	µg/L	0.000000008	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	4.07	4.07	279	NA	µg/L	0.0000000146	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	4	61.9	279	NA	µg/L	0.000000222	
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	1.9	1.9	279	NA	µg/L	0.000000007	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	2.47	2.47	279	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3.44	3.44	279	NA	µg/L	0.0000000123	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	2.52	2.52	279	NA	µg/L	0.000000009	U
SIB-SW-AAM169-BACK-030923	Dissolved	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	4.2	279	0.00051	pg/L	0.0151	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DIELDRIN	E1699M	1,160	8,350	270	NA	µg/L	0.0000309	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,020	1,020	270	NA	µg/L	0.00000378	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDD; P,P'-	E1699M	1,260	1,260	270	NA	µg/L	0.00000467	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	1,260	1,260	270	0.031	ng/L	0.0047	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDE; O,P'-	E1699M	661	661	270	NA	µg/L	0.00000245	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDE; P,P'-	E1699M	677	677	270	NA	µg/L	0.00000251	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	677	677	270	0.018	ng/L	0.0025	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDT; O,P'-	E1699M	2,650	2,650	270	NA	µg/L	0.00000981	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	O/P	DDT; P,P'-	E1699M	2,750	2,750	270	NA	µg/L	0.0000102	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	2,750	2,750	270	0.022	ng/L	0.0102	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	2,750	2,750	270	10	ng/L	0.0102	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	9.69	38.4	270	NA	µg/L	0.000000142	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	11.3	11.3	270	NA	µg/L	0.0000000419	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	8.68	521	270	NA	µg/L	0.00000193	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	8.26	8.26	270	NA	µg/L	0.0000000306	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	9.07	9.07	270	NA	µg/L	0.0000000336	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	21.7	21.7	270	NA	µg/L	0.0000000804	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	7.97	20,500	270	NA	µg/L	0.0000759	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	7.25	488	270	NA	µg/L	0.00000181	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	8.1	222	270	NA	µg/L	0.000000822	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	7.89	1,080	270	NA	µg/L	0.00000400	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	9.6	55.9	270	NA	µg/L	0.000000207	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	8.65	73.5	270	NA	µg/L	0.000000272	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5.23	25	270	NA	µg/L	0.0000000926	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	8.35	17,900	270	NA	µg/L	0.0000663	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	9.3	96.2	270	NA	µg/L	0.000000356	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	9.29	9.29	270	NA	µg/L	0.0000000344	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	9.53	74.7	270	NA	µg/L	0.000000277	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	8.36	36.8	270	NA	µg/L	0.000000136	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	8.27	21.1	270	NA	µg/L	0.0000000781	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	7.61	142	270	NA	µg/L	0.000000526	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	7.6	55.3	270	NA	µg/L	0.000000205	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	8.2	8.2	270	NA	µg/L	0.0000000304	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	4.55	24.8	270	NA	µg/L	0.0000000919	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	6.03	20.3	270	NA	µg/L	0.0000000752	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3.94	58.4	270	NA	µg/L	0.000000216	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	6.83	210	270	NA	µg/L	0.000000778	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	6.79	6.79	270	NA	µg/L	0.0000000251	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	7.29	7.29	270	NA	µg/L	0.0000000270	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	7.62	67.8	270	NA	µg/L	0.000000251	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	4.26	4.26	270	NA	µg/L	0.0000000158	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	8.25	28.7	270	NA	µg/L	0.000000106	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	6.66	146	270	NA	µg/L	0.000000541	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3.76	3.76	270	NA	µg/L	0.0000000139	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	4.15	4.15	270	NA	µg/L	0.0000000154	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	14.4	14.4	270	NA	µg/L	0.0000000533	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	6.62	6.62	270	NA	µg/L	0.0000000245	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	6.43	6.43	270	NA	µg/L	0.0000000238	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5.68	5.68	270	NA	µg/L	0.0000000210	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	25.2	91	270	NA	µg/L	0.000000337	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	9.96	33.1	270	NA	µg/L	0.000000123	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	7.56	601	270	NA	µg/L	0.00000223	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	8.72	275	270	NA	µg/L	0.00000102	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	9.34	9.34	270	NA	µg/L	0.0000000346	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	8	8	270	NA	µg/L	0.0000000296	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	8.05	353	270	NA	µg/L	0.00000131	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10.2	10.2	270	NA	µg/L	0.0000000378	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	4.88	132	270	NA	µg/L	0.000000489	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	8.41	26.6	270	NA	µg/L	0.0000000985	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	7.57	7.57	270	NA	µg/L	0.0000000280	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	8.41	155	270	NA	µg/L	0.000000574	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	6.71	74.1	270	NA	µg/L	0.000000274	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	8.4	48.4	270	NA	µg/L	0.000000179	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	9.18	9.18	270	NA	µg/L	0.0000000340	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	8.29	49.5	270	NA	µg/L	0.000000183	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	8.09	8.09	270	NA	µg/L	0.0000000300	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	7.32	712	270	NA	µg/L	0.00000264	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	4.33	4.33	270	NA	µg/L	0.0000000160	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	4.57	4.57	270	NA	µg/L	0.0000000169	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	4	4	270	NA	µg/L	0.0000000148	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	6.2	488	270	NA	µg/L	0.00000181	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	7.58	7.58	270	NA	µg/L	0.0000000281	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3.94	3.94	270	NA	µg/L	0.0000000146	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	61.3	61.3	270	NA	µg/L	0.000000227	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	6.03	63.8	270	NA	µg/L	0.000000236	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	19	19	270	NA	µg/L	0.0000000704	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	22.8	22.8	270	NA	µg/L	0.0000000844	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	6.72	6.72	270	NA	µg/L	0.0000000249	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5.85	5.85	270	NA	µg/L	0.0000000217	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5.99	40.2	270	NA	µg/L	0.000000149	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	6.7	6.7	270	NA	µg/L	0.0000000248	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	54.4	54.4	270	NA	µg/L	0.000000201	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	10.2	237	270	NA	µg/L	0.000000878	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	48.1	48.1	270	NA	µg/L	0.000000178	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	66.9	66.9	270	NA	µg/L	0.000000248	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	28.3	28.3	270	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	29.4	29.4	270	NA	µg/L	0.000000109	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	14.5	105	270	NA	µg/L	0.000000389	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	24.8	24.8	270	NA	µg/L	0.0000000919	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	9.34	25.8	270	NA	µg/L	0.0000000956	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	25.5	25.5	270	NA	µg/L	0.0000000944	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	6.6	6.6	270	NA	µg/L	0.0000000244	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	8.06	42.3	270	NA	µg/L	0.000000157	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	6.85	7.83	270	NA	µg/L	0.0000000290	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	7.11	7.11	270	NA	µg/L	0.0000000263	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	6.51	9.72	270	NA	µg/L	0.0000000360	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	7.49	19.6	270	NA	µg/L	0.0000000726	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	6.18	6.18	270	NA	µg/L	0.0000000229	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	22.5	22.5	270	NA	µg/L	0.0000000833	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-167	E1668	21.7	21.7	270	NA	µg/L	0.0000000804	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-82	E1668	14.3	76.9	270	NA	µg/L	0.000000285	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	17.9	45	270	NA	µg/L	0.000000167	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	17.2	407	270	NA	µg/L	0.00000151	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	12.5	132	270	NA	µg/L	0.000000489	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	11.4	646	270	NA	µg/L	0.00000239	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	12.5	1,010	270	NA	µg/L	0.00000374	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	14.1	14.1	270	NA	µg/L	0.0000000522	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	16.2	16.2	270	NA	µg/L	0.0000000600	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	12.4	12.4	270	NA	µg/L	0.0000000459	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	13.8	137	270	NA	µg/L	0.000000507	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	14.9	183	270	NA	µg/L	0.000000678	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	16.9	16.9	270	NA	µg/L	0.0000000626	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	14.6	14.6	270	NA	µg/L	0.0000000541	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	14.8	1,230	270	NA	µg/L	0.00000456	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3.99	11	270	NA	µg/L	0.0000000407	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10.7	265	270	NA	µg/L	0.000000981	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	12.8	22.4	270	NA	µg/L	0.0000000830	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	13.9	13.9	270	NA	µg/L	0.0000000515	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3.89	3.89	270	NA	µg/L	0.0000000144	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10.4	206	270	NA	µg/L	0.000000763	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	9.84	24.4	270	NA	µg/L	0.0000000904	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	9.33	9.33	270	NA	µg/L	0.0000000346	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	13.4	13.4	270	NA	µg/L	0.0000000496	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	8.69	30.4	270	NA	µg/L	0.000000113	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	9.24	901	270	NA	µg/L	0.00000334	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10.3	10.3	270	NA	µg/L	0.0000000381	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	8.65	8.65	270	NA	µg/L	0.0000000320	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	11	11	270	NA	µg/L	0.0000000407	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	9.81	9.81	270	NA	µg/L	0.0000000363	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10.9	494	270	NA	µg/L	0.00000183	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	8.82	8.82	270	NA	µg/L	0.0000000327	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	8.25	8.25	270	NA	µg/L	0.0000000306	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10.2	16.2	270	NA	µg/L	0.0000000600	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	9.27	9.27	270	NA	µg/L	0.0000000343	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	13.6	13.6	270	NA	µg/L	0.0000000504	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	9.97	9.97	270	NA	µg/L	0.0000000369	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	17.9	950	270	NA	µg/L	0.00000352	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	13.2	8,340	270	NA	µg/L	0.0000309	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	11.1	478	270	NA	µg/L	0.00000177	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	13.8	313	270	NA	µg/L	0.00000116	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	15.2	156	270	NA	µg/L	0.000000578	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10.6	1,510	270	NA	µg/L	0.00000559	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	12.1	38.4	270	NA	µg/L	0.000000142	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	15.1	120	270	NA	µg/L	0.000000444	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	15	303	270	NA	µg/L	0.00000112	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10.4	592	270	NA	µg/L	0.00000219	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	12.5	256	270	NA	µg/L	0.000000948	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	11.5	624	270	NA	µg/L	0.00000231	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	11.9	216	270	NA	µg/L	0.000000800	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10.6	1,400	270	NA	µg/L	0.00000519	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	6.09	6.09	270	NA	µg/L	0.0000000226	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	17.7	196	270	NA	µg/L	0.000000726	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	17.2	17.2	270	NA	µg/L	0.0000000637	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	16.7	16.7	270	NA	µg/L	0.0000000619	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	18.8	18.8	270	NA	µg/L	0.0000000696	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	9.19	110	270	NA	µg/L	0.000000407	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	21.3	120	270	NA	µg/L	0.000000444	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	17.2	360	270	NA	µg/L	0.00000133	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	270	NA	µg/L	0.0000000741	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	18.8	95.4	270	NA	µg/L	0.000000353	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	16.2	16.2	270	NA	µg/L	0.0000000600	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	9.32	460	270	NA	µg/L	0.00000170	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	17.4	17.4	270	NA	µg/L	0.0000000644	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	8.67	8.67	270	NA	µg/L	0.0000000321	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	19	45.9	270	NA	µg/L	0.000000170	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	15.8	15.8	270	NA	µg/L	0.0000000585	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	18.5	18.5	270	NA	µg/L	0.0000000685	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	17.5	17.5	270	NA	µg/L	0.0000000648	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	18.4	18.4	270	NA	µg/L	0.0000000681	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	8.75	887	270	NA	µg/L	0.00000329	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	35.3	3,140	270	NA	µg/L	0.0000116	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	9.93	5,840	270	NA	µg/L	0.0000216	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	12.7	8,740	270	NA	µg/L	0.0000324	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	11.9	789	270	NA	µg/L	0.00000292	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	11.6	670	270	NA	µg/L	0.00000248	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	7.87	1,290	270	NA	µg/L	0.00000478	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	11.5	186	270	NA	µg/L	0.000000689	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	13.4	1,410	270	NA	µg/L	0.00000522	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	12.7	563	270	NA	µg/L	0.00000209	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	13.6	1,010	270	NA	µg/L	0.00000374	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	11.9	120	270	NA	µg/L	0.000000444	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	14.6	14.6	270	NA	µg/L	0.0000000541	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	14.5	14.5	270	NA	µg/L	0.0000000537	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	14.2	300	270	NA	µg/L	0.00000111	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	8.11	26.2	270	NA	µg/L	0.0000000970	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	8.27	117	270	NA	µg/L	0.000000433	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	12.4	1,280	270	NA	µg/L	0.00000474	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	7.45	408	270	NA	µg/L	0.00000151	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	13.6	197	270	NA	µg/L	0.000000730	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	12	71.9	270	NA	µg/L	0.000000266	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	14	304	270	NA	µg/L	0.00000113	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	13.1	13.1	270	NA	µg/L	0.0000000485	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	13.3	13.3	270	NA	µg/L	0.0000000493	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	48,100	270	6.4	pg/L	178	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.27	3.44	270	NA	µg/L	0.0000000127	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	3.42	11.3	270	NA	µg/L	0.0000000419	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.76	2.76	270	NA	µg/L	0.0000000102	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.51	1.51	270	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.19	2.19	270	NA	µg/L	0.000000008	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.56	1.56	270	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.96	1.96	270	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.86	1.86	270	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.97	1.97	270	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	2.18	2.18	270	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.92	2.92	270	NA	µg/L	0.0000000108	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.68	1.68	270	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	2.29	2.29	270	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.92	1.92	270	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3.21	3.21	270	NA	µg/L	0.0000000119	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	3.42	24.3	270	NA	µg/L	0.0000000900	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.64	1.64	270	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	2.03	2.03	270	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3.44	3.44	270	NA	µg/L	0.0000000127	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	6.36	65.6	270	NA	µg/L	0.000000243	
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	2.23	2.23	270	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.92	2.92	270	NA	µg/L	0.0000000108	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.92	1.92	270	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	3.21	3.21	270	NA	µg/L	0.0000000119	U
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.5	6.66	270	NA	µg/L	0.0000000247	J
SIB-SW-AAP957-BACK-050522	Dissolved	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	4.4	270	0.00051	pg/L	0.0163	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DIELDRIN	E1699M	1000	14,400	238.5	NA	µg/L	0.0000604	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	1,190	238.5	NA	µg/L	0.00000499	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	1,590	238.5	NA	µg/L	0.00000667	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	2,780	238.5	0.031	ng/L	0.0117	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	238.5	NA	µg/L	0.00000419	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	1,680	238.5	NA	µg/L	0.00000704	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	2,180	238.5	0.018	ng/L	0.0091	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	1,860	238.5	NA	µg/L	0.00000780	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	6,780	238.5	NA	µg/L	0.0000284	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	8,640	238.5	0.022	ng/L	0.0362	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	13,600	238.5	10	ng/L	0.0570	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	600	238.5	NA	µg/L	0.00000252	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	762	238.5	NA	µg/L	0.00000319	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	6,640	238.5	NA	µg/L	0.0000278	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	623	238.5	NA	µg/L	0.00000261	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	74,500	238.5	NA	µg/L	0.000312	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	19,600	238.5	NA	µg/L	0.0000822	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	5,020	238.5	NA	µg/L	0.0000210	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	17,400	238.5	NA	µg/L	0.0000730	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	955	238.5	NA	µg/L	0.00000400	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	1,580	238.5	NA	µg/L	0.00000662	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	962	238.5	NA	µg/L	0.00000403	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	816	238.5	NA	µg/L	0.00000342	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	216	238.5	NA	µg/L	0.000000906	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	40.6	238.5	NA	µg/L	0.000000170	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	238.5	NA	µg/L	0.000000168	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	238.5	NA	µg/L	0.000000168	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	40	238.5	NA	µg/L	0.000000168	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	1,590	238.5	NA	µg/L	0.00000667	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	542	238.5	NA	µg/L	0.00000227	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	59.4	238.5	NA	µg/L	0.000000249	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	86.1	238.5	NA	µg/L	0.000000361	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	166	238.5	NA	µg/L	0.000000696	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	27.1	238.5	NA	µg/L	0.000000114	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	51.1	238.5	NA	µg/L	0.000000214	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	89.4	238.5	NA	µg/L	0.000000375	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	238.5	NA	µg/L	0.000000419	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	238.5	NA	µg/L	0.000000168	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	238.5	NA	µg/L	0.000000335	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	38,000	238.5	NA	µg/L	0.000159	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	1,930	238.5	NA	µg/L	0.00000809	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	1,390	238.5	NA	µg/L	0.00000583	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	603	238.5	NA	µg/L	0.00000253	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	6,970	238.5	NA	µg/L	0.0000292	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	212	238.5	NA	µg/L	0.000000889	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	902	238.5	NA	µg/L	0.00000378	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	2,010	238.5	NA	µg/L	0.00000843	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	238.5	NA	µg/L	0.000000252	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	1,180	238.5	NA	µg/L	0.00000495	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	2,540	238.5	NA	µg/L	0.0000106	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	1,620	238.5	NA	µg/L	0.00000679	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	38.5	238.5	NA	µg/L	0.000000161	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	458	238.5	NA	µg/L	0.00000192	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	388	238.5	NA	µg/L	0.00000163	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	351	238.5	NA	µg/L	0.00000147	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	UJ
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	1,870	238.5	NA	µg/L	0.00000784	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	180	238.5	NA	µg/L	0.000000755	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	2,470	238.5	NA	µg/L	0.0000104	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	9,100	238.5	NA	µg/L	0.0000382	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	22,700	238.5	NA	µg/L	0.0000952	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	80,400	238.5	NA	µg/L	0.000337	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	8,810	238.5	NA	µg/L	0.0000369	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	9,410	238.5	NA	µg/L	0.0000395	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	16,300	238.5	NA	µg/L	0.0000683	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	3,160	238.5	NA	µg/L	0.0000132	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	11,300	238.5	NA	µg/L	0.0000474	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	3,260	238.5	NA	µg/L	0.0000137	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	6,390	238.5	NA	µg/L	0.0000268	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	869	238.5	NA	µg/L	0.00000364	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	2,310	238.5	NA	µg/L	0.00000969	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	345	238.5	NA	µg/L	0.00000145	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	1,600	238.5	NA	µg/L	0.00000671	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	9,730	238.5	NA	µg/L	0.0000408	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	5,290	238.5	NA	µg/L	0.0000222	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	1,320	238.5	NA	µg/L	0.00000553	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	238.5	NA	µg/L	0.0000000839	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	160,000	238.5	6.4	pg/L	671	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	6.04	238.5	NA	µg/L	0.0000000253	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	60	238.5	NA	µg/L	0.000000252	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	2.6	238.5	NA	µg/L	0.0000000109	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	3.46	238.5	NA	µg/L	0.0000000145	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	2.08	238.5	NA	µg/L	0.000000009	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	4.58	238.5	NA	µg/L	0.0000000192	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	238.5	NA	µg/L	0.0000000210	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	238.5	NA	µg/L	0.0000000210	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	116	238.5	NA	µg/L	0.000000486	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	12	238.5	NA	µg/L	0.0000000503	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	19	238.5	NA	µg/L	0.0000000797	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	8.51	238.5	NA	µg/L	0.0000000357	J
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	373	238.5	NA	µg/L	0.00000156	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	238.5	NA	µg/L	0.000000105	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	238.5	NA	µg/L	0.0000000210	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	5	238.5	NA	µg/L	0.0000000210	U
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	13.1	238.5	NA	µg/L	0.0000000549	
SIB-SW-AAP957-BACK-102122	Dissolved	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	25.3	238.5	0.00051	pg/L	0.106	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DIELDRIN	E1699	1000	2,350	220.5	NA	µg/L	0.0000107	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	1,550	220.5	NA	µg/L	0.00000703	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	1,440	220.5	NA	µg/L	0.00000653	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	2,990	220.5	0.031	ng/L	0.0136	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	220.5	NA	µg/L	0.00000454	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDE; P,P'-	E1699	1000	425	220.5	NA	µg/L	0.00000193	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	925	220.5	0.018	ng/L	0.0042	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	2,000	220.5	NA	µg/L	0.00000907	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	1,270	220.5	NA	µg/L	0.00000576	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	2,270	220.5	0.022	ng/L	0.0103	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	6,190	220.5	10	ng/L	0.0281	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	12.5	20.1	220.5	NA	µg/L	0.0000000912	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	49.4	3,440	220.5	NA	µg/L	0.0000156	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	12.8	2,140	220.5	NA	µg/L	0.00000971	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	12.7	51.5	220.5	NA	µg/L	0.000000234	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	14.9	3,630	220.5	NA	µg/L	0.0000165	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	4.27	338	220.5	NA	µg/L	0.00000153	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	16	197,000	220.5	NA	µg/L	0.000893	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	19.2	172,000	220.5	NA	µg/L	0.000780	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10.2	360	220.5	NA	µg/L	0.00000163	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10	13,300	220.5	NA	µg/L	0.0000603	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	11.9	98.4	220.5	NA	µg/L	0.000000446	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10.7	147	220.5	NA	µg/L	0.000000667	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	13	3,230	220.5	NA	µg/L	0.0000146	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10.8	5,880	220.5	NA	µg/L	0.0000267	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	12.6	193	220.5	NA	µg/L	0.000000875	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	12.5	12.5	220.5	NA	µg/L	0.0000000567	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	6.58	69.3	220.5	NA	µg/L	0.000000314	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5.92	30	220.5	NA	µg/L	0.000000136	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5.5	13.3	220.5	NA	µg/L	0.0000000603	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5.36	119	220.5	NA	µg/L	0.000000540	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5.31	58.9	220.5	NA	µg/L	0.000000267	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5.63	5.63	220.5	NA	µg/L	0.0000000255	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	2	23.1	220.5	NA	µg/L	0.000000105	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	2.48	32.3	220.5	NA	µg/L	0.000000146	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	1.73	67.7	220.5	NA	µg/L	0.000000307	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	4.8	188	220.5	NA	µg/L	0.000000853	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	4.77	4.77	220.5	NA	µg/L	0.0000000216	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	4.96	4.96	220.5	NA	µg/L	0.0000000225	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	4.99	89.3	220.5	NA	µg/L	0.000000405	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	1.87	1.87	220.5	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	6.12	18.6	220.5	NA	µg/L	0.0000000844	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	4.72	194	220.5	NA	µg/L	0.000000880	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	1.67	1.67	220.5	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	2.11	2.11	220.5	NA	µg/L	0.000000010	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	7.61	7.61	220.5	NA	µg/L	0.0000000345	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	4.91	4.91	220.5	NA	µg/L	0.0000000223	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	4.47	4.47	220.5	NA	µg/L	0.0000000203	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3.88	3.88	220.5	NA	µg/L	0.0000000176	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	9.43	72.6	220.5	NA	µg/L	0.000000329	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	1.93	26.5	220.5	NA	µg/L	0.000000120	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	1.6	490	220.5	NA	µg/L	0.00000222	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	1.68	168	220.5	NA	µg/L	0.000000762	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	1.76	8.16	220.5	NA	µg/L	0.0000000370	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	1.55	7.26	220.5	NA	µg/L	0.0000000329	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	1.67	238	220.5	NA	µg/L	0.00000108	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	1.85	33.6	220.5	NA	µg/L	0.000000152	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	1.37	110	220.5	NA	µg/L	0.000000499	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	1.86	25.5	220.5	NA	µg/L	0.000000116	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	1.59	15.2	220.5	NA	µg/L	0.0000000689	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	1.66	96.4	220.5	NA	µg/L	0.000000437	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	1.36	65	220.5	NA	µg/L	0.000000295	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	1.75	1.75	220.5	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	1.77	1.77	220.5	NA	µg/L	0.000000008	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	1.62	35.5	220.5	NA	µg/L	0.000000161	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	1.62	1.62	220.5	NA	µg/L	0.000000007	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	1.54	478	220.5	NA	µg/L	0.00000217	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	1.24	1.24	220.5	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	1.29	3.12	220.5	NA	µg/L	0.0000000141	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	1.17	1.17	220.5	NA	µg/L	0.000000005	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	1.3	407	220.5	NA	µg/L	0.00000185	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	1.55	9.8	220.5	NA	µg/L	0.0000000444	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	1.3	1.87	220.5	NA	µg/L	0.000000008	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	11.8	50.6	220.5	NA	µg/L	0.000000229	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	1.23	49.9	220.5	NA	µg/L	0.000000226	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	7.01	7.01	220.5	NA	µg/L	0.0000000318	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	8.22	8.22	220.5	NA	µg/L	0.0000000373	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	1.34	1.34	220.5	NA	µg/L	0.000000006	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	1.2	1.2	220.5	NA	µg/L	0.000000005	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	1.15	27.2	220.5	NA	µg/L	0.000000123	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	1.36	1.36	220.5	NA	µg/L	0.000000006	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	17.9	17.9	220.5	NA	µg/L	0.0000000812	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	32.2	7,120	220.5	NA	µg/L	0.0000323	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	13.7	48.7	220.5	NA	µg/L	0.000000221	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	18.2	33.7	220.5	NA	µg/L	0.000000153	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	8.62	8.62	220.5	NA	µg/L	0.0000000391	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	9.24	15.1	220.5	NA	µg/L	0.0000000685	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	7.84	254	220.5	NA	µg/L	0.00000115	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10.1	25	220.5	NA	µg/L	0.000000113	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	6.45	29.6	220.5	NA	µg/L	0.000000134	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10.9	15.1	220.5	NA	µg/L	0.0000000685	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	4.8	4.8	220.5	NA	µg/L	0.0000000218	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5.92	59.8	220.5	NA	µg/L	0.000000271	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5.68	15.6	220.5	NA	µg/L	0.0000000707	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5.54	21.5	220.5	NA	µg/L	0.0000000975	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5.72	45.9	220.5	NA	µg/L	0.000000208	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5.34	41.7	220.5	NA	µg/L	0.000000189	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	4.86	4.86	220.5	NA	µg/L	0.0000000220	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	9.96	9.96	220.5	NA	µg/L	0.0000000452	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-167	E1668	8.7	16.4	220.5	NA	µg/L	0.0000000744	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-82	E1668	8.58	47.6	220.5	NA	µg/L	0.000000216	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10.6	36.2	220.5	NA	µg/L	0.000000164	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	9.56	240	220.5	NA	µg/L	0.00000109	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	7.32	84.7	220.5	NA	µg/L	0.000000384	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	7.48	528	220.5	NA	µg/L	0.00000239	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	8.09	803	220.5	NA	µg/L	0.00000364	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	8.37	8.37	220.5	NA	µg/L	0.0000000380	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	9.41	9.41	220.5	NA	µg/L	0.0000000427	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	7.58	7.58	220.5	NA	µg/L	0.0000000344	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	8.8	195	220.5	NA	µg/L	0.000000884	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	9.08	165	220.5	NA	µg/L	0.000000748	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10.2	10.2	220.5	NA	µg/L	0.0000000463	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	9.28	39.3	220.5	NA	µg/L	0.000000178	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	8.91	1000	220.5	NA	µg/L	0.00000454	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	2.8	33.9	220.5	NA	µg/L	0.000000154	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	6.45	268	220.5	NA	µg/L	0.00000122	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	8.01	26.6	220.5	NA	µg/L	0.000000121	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	8.54	61.8	220.5	NA	µg/L	0.000000280	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3.06	6.77	220.5	NA	µg/L	0.0000000307	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	7.19	154	220.5	NA	µg/L	0.000000698	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	6.46	18	220.5	NA	µg/L	0.0000000816	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	6.08	6.08	220.5	NA	µg/L	0.0000000276	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	7.49	7.49	220.5	NA	µg/L	0.0000000340	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5.88	29.5	220.5	NA	µg/L	0.000000134	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	6.48	724	220.5	NA	µg/L	0.00000328	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	6.43	6.43	220.5	NA	µg/L	0.0000000292	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5.8	5.8	220.5	NA	µg/L	0.0000000263	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	6.81	6.81	220.5	NA	µg/L	0.0000000309	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	6.72	6.72	220.5	NA	µg/L	0.0000000305	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	6.22	346	220.5	NA	µg/L	0.00000157	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5.38	5.38	220.5	NA	µg/L	0.0000000244	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5.27	5.27	220.5	NA	µg/L	0.0000000239	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	7.15	28.3	220.5	NA	µg/L	0.000000128	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5.87	5.87	220.5	NA	µg/L	0.0000000266	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	9.26	9.26	220.5	NA	µg/L	0.0000000420	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	6.42	6.42	220.5	NA	µg/L	0.0000000291	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	6.9	664	220.5	NA	µg/L	0.00000301	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5.54	15,200	220.5	NA	µg/L	0.0000689	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	4.13	431	220.5	NA	µg/L	0.00000195	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	4.56	222	220.5	NA	µg/L	0.00000101	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5.35	69.3	220.5	NA	µg/L	0.000000314	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	4.01	1,590	220.5	NA	µg/L	0.00000721	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	4.3	31.4	220.5	NA	µg/L	0.000000142	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5.14	196	220.5	NA	µg/L	0.000000889	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5.07	116	220.5	NA	µg/L	0.000000526	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3.81	1,470	220.5	NA	µg/L	0.00000667	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	4.39	173	220.5	NA	µg/L	0.000000785	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	4.08	1,050	220.5	NA	µg/L	0.00000476	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	4.22	3,800	220.5	NA	µg/L	0.0000172	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3.62	1,970	220.5	NA	µg/L	0.00000893	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3.96	2,260	220.5	NA	µg/L	0.0000102	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	6.68	133	220.5	NA	µg/L	0.000000603	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	6.35	6.35	220.5	NA	µg/L	0.0000000288	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	6.22	6.22	220.5	NA	µg/L	0.0000000282	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	7.04	7.04	220.5	NA	µg/L	0.0000000319	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3.56	95.3	220.5	NA	µg/L	0.000000432	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	7.71	72.7	220.5	NA	µg/L	0.000000330	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	6.3	291	220.5	NA	µg/L	0.00000132	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	7.71	18.9	220.5	NA	µg/L	0.0000000857	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	7.06	145	220.5	NA	µg/L	0.000000658	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	6.27	14.1	220.5	NA	µg/L	0.0000000639	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3.4	331	220.5	NA	µg/L	0.00000150	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	6.67	12.3	220.5	NA	µg/L	0.0000000558	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3.14	48.3	220.5	NA	µg/L	0.000000219	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	7.65	40.5	220.5	NA	µg/L	0.000000184	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5.98	4.94	220.5	NA	µg/L	0.0000000224	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	7.01	7.01	220.5	NA	µg/L	0.0000000318	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	6.64	6.64	220.5	NA	µg/L	0.0000000301	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	8.24	8.24	220.5	NA	µg/L	0.0000000374	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5.21	903	220.5	NA	µg/L	0.00000410	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	9.91	2,440	220.5	NA	µg/L	0.0000111	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	6.54	4,840	220.5	NA	µg/L	0.0000220	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	12.1	63,200	220.5	NA	µg/L	0.000287	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	14.3	1,450	220.5	NA	µg/L	0.00000658	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	13.5	3,880	220.5	NA	µg/L	0.0000176	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	9.95	5,190	220.5	NA	µg/L	0.0000235	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	13.8	30,500	220.5	NA	µg/L	0.000138	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	9.91	1,760	220.5	NA	µg/L	0.00000798	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	9.49	496	220.5	NA	µg/L	0.00000225	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10.2	862	220.5	NA	µg/L	0.00000391	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	8.83	276	220.5	NA	µg/L	0.00000125	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	11.1	11.1	220.5	NA	µg/L	0.0000000503	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10.9	14.9	220.5	NA	µg/L	0.0000000676	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10.8	443	220.5	NA	µg/L	0.00000201	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10	55.7	220.5	NA	µg/L	0.000000253	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10.1	2,340	220.5	NA	µg/L	0.0000106	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	8.8	1,360	220.5	NA	µg/L	0.00000617	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	9.31	14,200	220.5	NA	µg/L	0.0000644	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10.4	125	220.5	NA	µg/L	0.000000567	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	9.13	35.9	220.5	NA	µg/L	0.000000163	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10.4	232	220.5	NA	µg/L	0.00000105	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10	10	220.5	NA	µg/L	0.0000000454	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10.1	10.1	220.5	NA	µg/L	0.0000000458	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	292,000	220.5	6.4	pg/L	1,324	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	3.72	7.98	220.5	NA	µg/L	0.0000000362	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	5.15	23.2	220.5	NA	µg/L	0.000000105	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	4.06	4.06	220.5	NA	µg/L	0.0000000184	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	2.73	2.73	220.5	NA	µg/L	0.0000000124	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	4.28	4.28	220.5	NA	µg/L	0.0000000194	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	2.93	2.93	220.5	NA	µg/L	0.0000000133	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	4.32	4.32	220.5	NA	µg/L	0.0000000196	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	3.25	3.25	220.5	NA	µg/L	0.0000000147	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	4.39	4.39	220.5	NA	µg/L	0.0000000199	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	4.17	4.17	220.5	NA	µg/L	0.0000000189	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3.56	3.56	220.5	NA	µg/L	0.0000000161	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	3.28	3.28	220.5	NA	µg/L	0.0000000149	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	4.32	4.32	220.5	NA	µg/L	0.0000000196	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5.14	5.14	220.5	NA	µg/L	0.0000000233	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	8.27	8.27	220.5	NA	µg/L	0.0000000375	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.88	18.4	220.5	NA	µg/L	0.0000000834	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	5.15	44.6	220.5	NA	µg/L	0.000000202	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.03	3.03	220.5	NA	µg/L	0.0000000137	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	4.32	4.32	220.5	NA	µg/L	0.0000000196	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	9.95	21.1	220.5	NA	µg/L	0.0000000957	J
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	15.7	168	220.5	NA	µg/L	0.000000762	
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	4.24	4.24	220.5	NA	µg/L	0.0000000192	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3.56	3.56	220.5	NA	µg/L	0.0000000161	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	8.27	8.27	220.5	NA	µg/L	0.0000000375	U
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	5.14	5.14	220.5	NA	µg/L	0.0000000233	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAP957-BACK-030923	Dissolved	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	8.5	220.5	0.00051	pg/L	0.0385	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DIELDRIN	E1699M	2,730	5,190	310.5	NA	µg/L	0.0000167	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDD; 2,4'-	E1699M	1,690	1,690	310.5	NA	µg/L	0.00000544	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDD; P,P'-	E1699M	1,990	1,990	310.5	NA	µg/L	0.00000641	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	1,990	1,990	310.5	0.031	ng/L	0.0064	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDE; O,P'-	E1699M	1,870	1,870	310.5	NA	µg/L	0.00000602	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDE; P,P'-	E1699M	2,140	2,140	310.5	NA	µg/L	0.00000689	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	2,140	2,140	310.5	0.018	ng/L	0.0069	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDT; O,P'-	E1699M	3,880	3,880	310.5	NA	µg/L	0.0000125	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	O/P	DDT; P,P'-	E1699M	5,270	5,270	310.5	NA	µg/L	0.0000170	UJ
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5,270	5,270	310.5	0.022	ng/L	0.0170	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5,270	5,270	310.5	10	ng/L	0.0170	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	10.1	13.6	310.5	NA	µg/L	0.0000000438	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	12.8	12.8	310.5	NA	µg/L	0.0000000412	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	9.08	254	310.5	NA	µg/L	0.000000818	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	7.18	7.18	310.5	NA	µg/L	0.0000000231	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	7.88	7.88	310.5	NA	µg/L	0.0000000254	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	21	21	310.5	NA	µg/L	0.0000000676	UJ
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	11.1	8,960	310.5	NA	µg/L	0.0000289	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	13.2	309	310.5	NA	µg/L	0.000000995	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	8.47	112	310.5	NA	µg/L	0.000000361	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	8.25	523	310.5	NA	µg/L	0.00000168	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10	10	310.5	NA	µg/L	0.0000000322	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	9.05	41.7	310.5	NA	µg/L	0.000000134	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	9.51	19.1	310.5	NA	µg/L	0.0000000615	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	8.73	8.73	310.5	NA	µg/L	0.0000000281	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	9.73	9.73	310.5	NA	µg/L	0.0000000313	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	9.72	9.72	310.5	NA	µg/L	0.0000000313	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	9.38	95.6	310.5	NA	µg/L	0.000000308	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	9.86	29.6	310.5	NA	µg/L	0.0000000953	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	9.74	19.5	310.5	NA	µg/L	0.0000000628	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	8.97	127	310.5	NA	µg/L	0.000000409	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	8.96	59.1	310.5	NA	µg/L	0.000000190	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	9.66	9.66	310.5	NA	µg/L	0.0000000311	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3.32	17.9	310.5	NA	µg/L	0.0000000576	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	4.39	33	310.5	NA	µg/L	0.000000106	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	2.87	63.2	310.5	NA	µg/L	0.000000204	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	8.05	214	310.5	NA	µg/L	0.000000689	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	8	8	310.5	NA	µg/L	0.0000000258	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	8.6	8.6	310.5	NA	µg/L	0.0000000277	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	8.98	83	310.5	NA	µg/L	0.000000267	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3.1	3.1	310.5	NA	µg/L	0.000000010	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	9.73	19	310.5	NA	µg/L	0.0000000612	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	7.85	163	310.5	NA	µg/L	0.000000525	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	2.74	2.74	310.5	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3.02	3.02	310.5	NA	µg/L	0.000000010	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	14.3	14.3	310.5	NA	µg/L	0.0000000461	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	6.51	6.51	310.5	NA	µg/L	0.0000000210	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	7.58	7.58	310.5	NA	µg/L	0.0000000244	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	6.7	6.7	310.5	NA	µg/L	0.0000000216	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	20.9	77.3	310.5	NA	µg/L	0.000000249	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	12.7	28.2	310.5	NA	µg/L	0.0000000908	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	9.6	546	310.5	NA	µg/L	0.00000176	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	11.1	209	310.5	NA	µg/L	0.000000673	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	11.9	11.9	310.5	NA	µg/L	0.0000000383	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10.2	10.2	310.5	NA	µg/L	0.0000000329	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10.2	252	310.5	NA	µg/L	0.000000812	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	12.9	12.9	310.5	NA	µg/L	0.0000000415	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	6.84	102	310.5	NA	µg/L	0.000000329	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10.7	10.7	310.5	NA	µg/L	0.0000000345	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	9.61	9.61	310.5	NA	µg/L	0.0000000310	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10.7	133	310.5	NA	µg/L	0.000000428	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	8.52	52.5	310.5	NA	µg/L	0.000000169	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10.7	35	310.5	NA	µg/L	0.000000113	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	11.7	11.7	310.5	NA	µg/L	0.0000000377	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10.5	31.8	310.5	NA	µg/L	0.000000102	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10.3	10.3	310.5	NA	µg/L	0.0000000332	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	9.3	537	310.5	NA	µg/L	0.00000173	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	6.07	6.07	310.5	NA	µg/L	0.0000000195	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	6.42	6.42	310.5	NA	µg/L	0.0000000207	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5.61	5.61	310.5	NA	µg/L	0.0000000181	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	7.88	396	310.5	NA	µg/L	0.00000128	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	9.63	9.63	310.5	NA	µg/L	0.0000000310	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5.53	5.53	310.5	NA	µg/L	0.0000000178	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	57.1	57.1	310.5	NA	µg/L	0.000000184	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	7.65	54.9	310.5	NA	µg/L	0.000000177	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	15.8	15.8	310.5	NA	µg/L	0.0000000509	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	18.8	18.8	310.5	NA	µg/L	0.0000000605	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	8.54	8.54	310.5	NA	µg/L	0.0000000275	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	7.42	7.42	310.5	NA	µg/L	0.0000000239	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	7.61	33.8	310.5	NA	µg/L	0.000000109	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	8.51	8.51	310.5	NA	µg/L	0.0000000274	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	42.6	42.6	310.5	NA	µg/L	0.000000137	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	10.4	282	310.5	NA	µg/L	0.000000908	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	39.3	39.3	310.5	NA	µg/L	0.000000127	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	55.6	55.6	310.5	NA	µg/L	0.000000179	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	22.3	22.3	310.5	NA	µg/L	0.0000000718	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	23.1	23.1	310.5	NA	µg/L	0.0000000744	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	12.4	138	310.5	NA	µg/L	0.000000444	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	22.3	25.5	310.5	NA	µg/L	0.0000000821	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	6.66	19.7	310.5	NA	µg/L	0.0000000634	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	22.9	13.9	310.5	NA	µg/L	0.0000000448	J

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	4.7	4.7	310.5	NA	µg/L	0.0000000151	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5.74	22.3	310.5	NA	µg/L	0.0000000718	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	4.88	7.1	310.5	NA	µg/L	0.0000000229	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5.07	8.9	310.5	NA	µg/L	0.0000000287	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	4.64	15.1	310.5	NA	µg/L	0.0000000486	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5.34	26	310.5	NA	µg/L	0.0000000837	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	4.4	4.4	310.5	NA	µg/L	0.0000000142	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20.2	20.2	310.5	NA	µg/L	0.0000000651	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-167	E1668	18	18	310.5	NA	µg/L	0.0000000580	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	PCB-82	E1668	17.1	47.5	310.5	NA	µg/L	0.000000153	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	21.5	20.1	310.5	NA	µg/L	0.0000000647	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20.6	234	310.5	NA	µg/L	0.000000754	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	15	85	310.5	NA	µg/L	0.000000274	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	13.6	388	310.5	NA	µg/L	0.00000125	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	15	628	310.5	NA	µg/L	0.00000202	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	16.9	16.9	310.5	NA	µg/L	0.0000000544	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	19.4	19.4	310.5	NA	µg/L	0.0000000625	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	14.9	14.9	310.5	NA	µg/L	0.0000000480	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	16.6	68.5	310.5	NA	µg/L	0.000000221	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	17.9	101	310.5	NA	µg/L	0.000000325	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20.2	20.2	310.5	NA	µg/L	0.0000000651	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	17.5	17.5	310.5	NA	µg/L	0.0000000564	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	17.7	679	310.5	NA	µg/L	0.00000219	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3.88	3.88	310.5	NA	µg/L	0.0000000125	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	12.8	182	310.5	NA	µg/L	0.000000586	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	15.4	15.4	310.5	NA	µg/L	0.0000000496	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	16.7	16.7	310.5	NA	µg/L	0.0000000538	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3.78	3.78	310.5	NA	µg/L	0.0000000122	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	12.9	169	310.5	NA	µg/L	0.000000544	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	11.8	12.6	310.5	NA	µg/L	0.0000000406	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	11.2	11.2	310.5	NA	µg/L	0.0000000361	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	14.1	14.1	310.5	NA	µg/L	0.0000000454	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10.4	22.6	310.5	NA	µg/L	0.0000000728	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	11.1	631	310.5	NA	µg/L	0.00000203	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	12.4	12.4	310.5	NA	µg/L	0.0000000399	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10.4	10.4	310.5	NA	µg/L	0.0000000335	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	11.6	11.6	310.5	NA	µg/L	0.0000000374	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	11.8	11.8	310.5	NA	µg/L	0.0000000380	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	11.3	349	310.5	NA	µg/L	0.00000112	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10.6	10.6	310.5	NA	µg/L	0.0000000341	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	9.89	9.89	310.5	NA	µg/L	0.0000000319	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	12.2	12.4	310.5	NA	µg/L	0.0000000399	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	11.1	11.1	310.5	NA	µg/L	0.0000000357	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	12.9	12.9	310.5	NA	µg/L	0.0000000415	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	12.3	12.3	310.5	NA	µg/L	0.0000000396	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	15.1	561	310.5	NA	µg/L	0.00000181	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	11.5	4,750	310.5	NA	µg/L	0.0000153	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10.1	217	310.5	NA	µg/L	0.000000699	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	12.6	126	310.5	NA	µg/L	0.000000406	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	13.8	71.6	310.5	NA	µg/L	0.000000231	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	9.65	796	310.5	NA	µg/L	0.00000256	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	11	11	310.5	NA	µg/L	0.0000000354	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	13.7	54.5	310.5	NA	µg/L	0.000000176	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	13.6	13.6	310.5	NA	µg/L	0.0000000438	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	9.44	265	310.5	NA	µg/L	0.000000853	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	11.3	95.7	310.5	NA	µg/L	0.000000308	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10.5	1,060	310.5	NA	µg/L	0.00000341	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10.8	88.8	310.5	NA	µg/L	0.000000286	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	9.65	653	310.5	NA	µg/L	0.00000210	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5.38	5.38	310.5	NA	µg/L	0.0000000173	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	14.9	115	310.5	NA	µg/L	0.000000370	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	14.6	14.6	310.5	NA	µg/L	0.0000000470	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	14.1	14.1	310.5	NA	µg/L	0.0000000454	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	15.9	15.9	310.5	NA	µg/L	0.0000000512	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	8.35	45.2	310.5	NA	µg/L	0.000000146	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	18	73.6	310.5	NA	µg/L	0.000000237	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	14.6	216	310.5	NA	µg/L	0.000000696	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	16.9	16.9	310.5	NA	µg/L	0.0000000544	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	15.9	68	310.5	NA	µg/L	0.000000219	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	13.7	13.7	310.5	NA	µg/L	0.0000000441	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	8.46	203	310.5	NA	µg/L	0.000000654	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	14.7	14.7	310.5	NA	µg/L	0.0000000473	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	7.88	7.88	310.5	NA	µg/L	0.0000000254	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	16.3	34.7	310.5	NA	µg/L	0.000000112	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	13.4	13.4	310.5	NA	µg/L	0.0000000432	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	15.7	15.7	310.5	NA	µg/L	0.0000000506	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	14.8	14.8	310.5	NA	µg/L	0.0000000477	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	15.5	15.5	310.5	NA	µg/L	0.0000000499	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	9.17	924	310.5	NA	µg/L	0.00000298	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	30.8	2,500	310.5	NA	µg/L	0.00000805	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10.7	3,630	310.5	NA	µg/L	0.0000117	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	10.4	3,410	310.5	NA	µg/L	0.0000110	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	12.1	298	310.5	NA	µg/L	0.000000960	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	11.8	287	310.5	NA	µg/L	0.000000924	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	8.03	450	310.5	NA	µg/L	0.00000145	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	11.8	83.2	310.5	NA	µg/L	0.000000268	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	8.64	555	310.5	NA	µg/L	0.00000179	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	8.14	232	310.5	NA	µg/L	0.000000747	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	8.76	395	310.5	NA	µg/L	0.00000127	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	7.65	48.7	310.5	NA	µg/L	0.000000157	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	9.4	9.4	310.5	NA	µg/L	0.0000000303	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	9.32	9.32	310.5	NA	µg/L	0.0000000300	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	9.11	110	310.5	NA	µg/L	0.000000354	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	8.27	9.23	310.5	NA	µg/L	0.0000000297	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	8.44	44	310.5	NA	µg/L	0.000000142	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	7.98	481	310.5	NA	µg/L	0.00000155	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	7.59	153	310.5	NA	µg/L	0.000000493	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	8.74	89.1	310.5	NA	µg/L	0.000000287	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	7.7	22.1	310.5	NA	µg/L	0.0000000712	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	8.96	155	310.5	NA	µg/L	0.000000499	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	8.43	8.43	310.5	NA	µg/L	0.0000000271	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	8.55	8.55	310.5	NA	µg/L	0.0000000275	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	17,100	310.5	6.4	pg/L	55	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	2.33	9.36	310.5	NA	µg/L	0.0000000301	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	2.64	24.7	310.5	NA	µg/L	0.0000000795	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.57	2.57	310.5	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	1.09	1.09	310.5	NA	µg/L	0.000000004	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	2.03	2.03	310.5	NA	µg/L	0.000000007	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	1.22	1.22	310.5	NA	µg/L	0.000000004	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	1.82	1.82	310.5	NA	µg/L	0.000000006	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	1.29	1.29	310.5	NA	µg/L	0.000000004	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	1.81	1.81	310.5	NA	µg/L	0.000000006	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	1.64	1.64	310.5	NA	µg/L	0.000000005	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	2.68	2.68	310.5	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	1.3	1.3	310.5	NA	µg/L	0.000000004	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	1.57	1.57	310.5	NA	µg/L	0.000000005	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	1.47	1.47	310.5	NA	µg/L	0.000000005	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	2.62	2.62	310.5	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	2.64	49.3	310.5	NA	µg/L	0.000000159	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	1.22	16	310.5	NA	µg/L	0.0000000515	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	1.88	1.88	310.5	NA	µg/L	0.000000006	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	2.7	21.4	310.5	NA	µg/L	0.0000000689	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	6.8	149	310.5	NA	µg/L	0.000000480	
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	1.6	1.6	310.5	NA	µg/L	0.000000005	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	2.68	2.68	310.5	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	1.47	1.47	310.5	NA	µg/L	0.000000005	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	2.62	2.62	310.5	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	2.44	24.7	310.5	NA	µg/L	0.0000000795	J
SIB-SW-AAQ005-BACK-050522	Dissolved	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	3.9	310.5	0.00051	pg/L	0.0126	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DIELDRIN	E1699M	1000	6,430	252	NA	µg/L	0.0000255	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDD; 2,4'-	E1699M	2,000	483	252	NA	µg/L	0.00000192	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDD; P,P'-	E1699M	2,000	862	252	NA	µg/L	0.00000342	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,350	252	0.031	ng/L	0.0053571429	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDE; O,P'-	E1699M	1000	1000	252	NA	µg/L	0.00000397	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDE; P,P'-	E1699M	1000	1000	252	NA	µg/L	0.00000397	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	1000	1000	252	0.018	ng/L	0.0039682540	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDT; O,P'-	E1699M	2,000	817	252	NA	µg/L	0.00000324	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	O/P	DDT; P,P'-	E1699M	2,000	2,710	252	NA	µg/L	0.0000108	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	3,530	252	0.022	ng/L	0.0140079365	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	5,870	252	10	ng/L	0.0232936508	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	20	114	252	NA	µg/L	0.000000452	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	20	19,900	252	NA	µg/L	0.0000790	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	20	2,060	252	NA	µg/L	0.00000817	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	20	216	252	NA	µg/L	0.000000857	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	20	72.4	252	NA	µg/L	0.000000287	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	20	14.6	252	NA	µg/L	0.0000000579	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	20	214	252	NA	µg/L	0.000000849	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	20	49.6	252	NA	µg/L	0.000000197	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	51.8	252	NA	µg/L	0.000000206	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	20	17.7	252	NA	µg/L	0.0000000702	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	40	40	252	NA	µg/L	0.000000159	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	40	153	252	NA	µg/L	0.000000607	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	20	908	252	NA	µg/L	0.00000360	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	20	365	252	NA	µg/L	0.00000145	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	20	77.6	252	NA	µg/L	0.000000308	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	20	27.6	252	NA	µg/L	0.000000110	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	40	95.2	252	NA	µg/L	0.000000378	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	20	62	252	NA	µg/L	0.000000246	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-167	E1668	20	54.7	252	NA	µg/L	0.000000217	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	PCB-82	E1668	20	20	252	NA	µg/L	0.0000000794	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	100	100	252	NA	µg/L	0.000000397	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	40	40	252	NA	µg/L	0.000000159	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	80	80	252	NA	µg/L	0.000000317	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	20	14,800	252	NA	µg/L	0.0000587	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	20	1,950	252	NA	µg/L	0.00000774	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	20	420	252	NA	µg/L	0.00000167	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	20	1,990	252	NA	µg/L	0.00000790	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	20	7,150	252	NA	µg/L	0.0000284	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	20	15,200	252	NA	µg/L	0.0000603	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	20	12,200	252	NA	µg/L	0.0000484	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	60	60	252	NA	µg/L	0.000000238	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	20	20	252	NA	µg/L	0.0000000794	UJ
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	20	20	252	NA	µg/L	0.0000000794	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	20	20	252	NA	µg/L	0.0000000794	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	7,640	252	6.4	pg/L	30	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	25	21.8	252	NA	µg/L	0.0000000865	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	25	87.8	252	NA	µg/L	0.000000348	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	25	4.44	252	NA	µg/L	0.0000000176	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	25	4.27	252	NA	µg/L	0.0000000169	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	25	228	252	NA	µg/L	0.000000905	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	25	15.4	252	NA	µg/L	0.0000000611	J
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	25	28	252	NA	µg/L	0.000000111	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	50	63.6	252	NA	µg/L	0.000000252	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	50	791	252	NA	µg/L	0.00000314	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	25	25	252	NA	µg/L	0.0000000992	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5	5	252	NA	µg/L	0.0000000198	U
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5	2.95	252	NA	µg/L	0.0000000117	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	25	44.4	252	NA	µg/L	0.0000001762	
SIB-SW-AAQ005-BACK-102122	Dissolved	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	28	252	0.00051	pg/L	0.111	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DIELDRIN	E1699	1000	2,830	222	NA	µg/L	0.0000127	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDD; 2,4'-	E1699	2,000	2,000	222	NA	µg/L	0.00000901	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDD; P,P'-	E1699	2,000	223	222	NA	µg/L	0.00000100	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	NA	1,220	222	0.031	ng/L	0.0055	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDE; O,P'-	E1699	1000	1000	222	NA	µg/L	0.00000450	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDE; P,P'-	E1699	1000	361	222	NA	µg/L	0.00000163	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	NA	861	222	0.018	ng/L	0.0039	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDT; O,P'-	E1699	2,000	381	222	NA	µg/L	0.00000172	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	O/P	DDT; P,P'-	E1699	2,000	1,170	222	NA	µg/L	0.00000527	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	NA	1,550	222	0.022	ng/L	0.0070	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	NA	3,640	222	10	ng/L	0.0164	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	9.28	9.28	222	NA	µg/L	0.0000000418	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	17.4	71.6	222	NA	µg/L	0.000000323	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	9.46	282	222	NA	µg/L	0.00000127	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	6.44	51.8	222	NA	µg/L	0.000000233	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	7.49	86.3	222	NA	µg/L	0.000000389	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	6.28	24.3	222	NA	µg/L	0.000000109	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	9.09	7,430	222	NA	µg/L	0.0000335	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	8.72	422	222	NA	µg/L	0.00000190	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	7.65	79.4	222	NA	µg/L	0.000000358	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	7.27	363	222	NA	µg/L	0.00000164	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	8.9	18.8	222	NA	µg/L	0.0000000847	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	8.01	20.1	222	NA	µg/L	0.0000000905	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	6.12	15.3	222	NA	µg/L	0.0000000689	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	8.34	6,160	222	NA	µg/L	0.0000277	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	9.19	72.3	222	NA	µg/L	0.000000326	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	8.95	8.95	222	NA	µg/L	0.0000000403	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	8.11	147	222	NA	µg/L	0.000000662	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	7.44	50.3	222	NA	µg/L	0.000000227	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	6.93	24.3	222	NA	µg/L	0.000000109	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	6.38	152	222	NA	µg/L	0.000000685	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	6.59	84.4	222	NA	µg/L	0.000000380	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	7.08	7.08	222	NA	µg/L	0.0000000319	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	2.42	17.7	222	NA	µg/L	0.0000000797	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3.08	22.9	222	NA	µg/L	0.000000103	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	2.13	39.2	222	NA	µg/L	0.000000177	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	6.02	308	222	NA	µg/L	0.00000139	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5.94	5.94	222	NA	µg/L	0.0000000268	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	6.3	6.3	222	NA	µg/L	0.0000000284	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	6.64	97.3	222	NA	µg/L	0.000000438	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	2.31	2.31	222	NA	µg/L	0.0000000104	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	7.42	15.4	222	NA	µg/L	0.0000000694	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5.76	171	222	NA	µg/L	0.000000770	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	2.03	2.03	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	2.47	2.47	222	NA	µg/L	0.0000000111	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	14.3	14.3	222	NA	µg/L	0.0000000644	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5.99	17.4	222	NA	µg/L	0.0000000784	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5.6	5.6	222	NA	µg/L	0.0000000252	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	4.92	4.92	222	NA	µg/L	0.0000000222	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	13	134	222	NA	µg/L	0.000000604	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	2.42	46	222	NA	µg/L	0.000000207	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	1.99	673	222	NA	µg/L	0.00000303	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	2.12	200	222	NA	µg/L	0.000000901	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	2.2	10.1	222	NA	µg/L	0.0000000455	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	1.95	5.95	222	NA	µg/L	0.0000000268	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	2.05	195	222	NA	µg/L	0.000000878	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	2.59	33.4	222	NA	µg/L	0.000000150	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	1.62	75.6	222	NA	µg/L	0.000000341	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	2.18	31.5	222	NA	µg/L	0.000000142	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	1.99	9.5	222	NA	µg/L	0.0000000428	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	2.15	126	222	NA	µg/L	0.000000568	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	1.76	75.6	222	NA	µg/L	0.000000341	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	2	2	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	2.2	2.2	222	NA	µg/L	0.000000010	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	2.07	31.2	222	NA	µg/L	0.000000141	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	2.03	2.03	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	1.96	452	222	NA	µg/L	0.00000204	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	1.42	1.42	222	NA	µg/L	0.000000006	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	1.55	1.55	222	NA	µg/L	0.000000007	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	1.33	1.33	222	NA	µg/L	0.000000006	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	1.63	452	222	NA	µg/L	0.00000204	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	1.94	4.74	222	NA	µg/L	0.0000000214	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	1.49	1.49	222	NA	µg/L	0.000000007	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	18.7	120	222	NA	µg/L	0.000000541	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	1.54	69.8	222	NA	µg/L	0.000000314	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	9.92	9.92	222	NA	µg/L	0.0000000447	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	11.7	11.7	222	NA	µg/L	0.0000000527	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	1.73	1.73	222	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	1.47	1.47	222	NA	µg/L	0.000000007	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	1.5	44	222	NA	µg/L	0.000000198	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	1.71	1.71	222	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	27.1	27.1	222	NA	µg/L	0.000000122	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	12.5	210	222	NA	µg/L	0.000000946	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	20.9	33.8	222	NA	µg/L	0.000000152	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	27.4	33.8	222	NA	µg/L	0.000000152	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	13.3	13.3	222	NA	µg/L	0.0000000599	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	14.4	14.4	222	NA	µg/L	0.0000000649	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	12.3	246	222	NA	µg/L	0.00000111	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	17.1	70.7	222	NA	µg/L	0.000000318	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	9.97	34.9	222	NA	µg/L	0.000000157	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	18	22.4	222	NA	µg/L	0.000000101	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	7.69	7.69	222	NA	µg/L	0.0000000346	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	9.1	55.1	222	NA	µg/L	0.000000248	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	7.87	7.87	222	NA	µg/L	0.0000000355	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	8.34	12.2	222	NA	µg/L	0.0000000550	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	8.2	15.4	222	NA	µg/L	0.0000000694	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	8.12	35.1	222	NA	µg/L	0.000000158	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	7.26	7.26	222	NA	µg/L	0.0000000327	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	16.3	16.3	222	NA	µg/L	0.0000000734	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-167	E1668	12.3	32.5	222	NA	µg/L	0.000000146	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	PCB-82	E1668	2.98	77.8	222	NA	µg/L	0.000000350	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3.4	29.1	222	NA	µg/L	0.000000131	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3.48	219	222	NA	µg/L	0.000000986	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	2.76	100	222	NA	µg/L	0.000000450	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	2.56	491	222	NA	µg/L	0.00000221	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	2.74	700	222	NA	µg/L	0.00000315	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	2.89	9.51	222	NA	µg/L	0.0000000428	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3.6	3.6	222	NA	µg/L	0.0000000162	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	2.93	2.93	222	NA	µg/L	0.0000000132	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	2.72	86.5	222	NA	µg/L	0.000000390	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3.08	131	222	NA	µg/L	0.000000590	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3.42	3.42	222	NA	µg/L	0.0000000154	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3.22	7.33	222	NA	µg/L	0.0000000330	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3.04	580	222	NA	µg/L	0.00000261	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	1.86	4.91	222	NA	µg/L	0.0000000221	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	2.39	238	222	NA	µg/L	0.00000107	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	2.37	20.5	222	NA	µg/L	0.0000000923	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	2.9	5.53	222	NA	µg/L	0.0000000249	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	1.87	1.87	222	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	2.54	254	222	NA	µg/L	0.00000114	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	2.27	27.9	222	NA	µg/L	0.000000126	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	2.05	2.05	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	2.49	2.49	222	NA	µg/L	0.0000000112	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	1.99	38.5	222	NA	µg/L	0.000000173	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	2.04	752	222	NA	µg/L	0.00000339	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	2.2	2.2	222	NA	µg/L	0.000000010	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	1.91	1.91	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	2.24	15.2	222	NA	µg/L	0.0000000685	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	2.26	9.7	222	NA	µg/L	0.0000000437	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	2.22	532	222	NA	µg/L	0.00000240	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	1.97	1.97	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	1.86	1.86	222	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	1.97	1.97	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	1.86	1.86	222	NA	µg/L	0.000000008	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	2.29	10.9	222	NA	µg/L	0.0000000491	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	2.02	2.02	222	NA	µg/L	0.000000009	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	17.3	17.3	222	NA	µg/L	0.0000000779	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	2.29	2.29	222	NA	µg/L	0.0000000103	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	12.8	905	222	NA	µg/L	0.00000408	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	8.66	5,940	222	NA	µg/L	0.0000268	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5.38	273	222	NA	µg/L	0.00000123	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	6.35	165	222	NA	µg/L	0.000000743	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	7.84	79.2	222	NA	µg/L	0.000000357	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5.32	1,270	222	NA	µg/L	0.00000572	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5.48	23.6	222	NA	µg/L	0.000000106	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	6.77	49.5	222	NA	µg/L	0.000000223	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	7.53	112	222	NA	µg/L	0.000000505	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5.11	370	222	NA	µg/L	0.00000167	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5.87	143	222	NA	µg/L	0.000000644	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5.04	318	222	NA	µg/L	0.00000143	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5.67	117	222	NA	µg/L	0.000000527	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5.17	773	222	NA	µg/L	0.00000348	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	2.48	2.48	222	NA	µg/L	0.0000000112	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	12.5	188	222	NA	µg/L	0.000000847	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	11.9	11.9	222	NA	µg/L	0.0000000536	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	11.3	11.3	222	NA	µg/L	0.0000000509	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	12.8	12.8	222	NA	µg/L	0.0000000577	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	4.76	66.8	222	NA	µg/L	0.000000301	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	14.5	113	222	NA	µg/L	0.000000509	

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	11.8	358	222	NA	µg/L	0.00000161	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	13.7	27.9	222	NA	µg/L	0.000000126	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	13.1	224	222	NA	µg/L	0.00000101	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	11.3	21.7	222	NA	µg/L	0.0000000977	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	4.5	274	222	NA	µg/L	0.00000123	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	12.3	12.3	222	NA	µg/L	0.0000000554	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	4.38	4.38	222	NA	µg/L	0.0000000197	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	15.1	57.5	222	NA	µg/L	0.000000259	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10.9	9.44	222	NA	µg/L	0.0000000425	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	13.1	13.1	222	NA	µg/L	0.0000000590	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	12.2	12.2	222	NA	µg/L	0.0000000550	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	14.9	14.9	222	NA	µg/L	0.0000000671	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	7.69	1,150	222	NA	µg/L	0.00000518	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	14.9	2,820	222	NA	µg/L	0.0000127	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	4.74	4,340	222	NA	µg/L	0.0000195	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	5.77	4,370	222	NA	µg/L	0.0000197	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	6.3	424	222	NA	µg/L	0.00000191	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	6.2	440	222	NA	µg/L	0.00000198	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	4.52	701	222	NA	µg/L	0.00000316	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	6.26	146	222	NA	µg/L	0.000000658	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5.1	601	222	NA	µg/L	0.00000271	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	4.81	238	222	NA	µg/L	0.00000107	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5.19	402	222	NA	µg/L	0.00000181	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	4.47	54.8	222	NA	µg/L	0.000000247	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5.42	5.42	222	NA	µg/L	0.0000000244	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5.5	5.5	222	NA	µg/L	0.0000000248	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5.44	121	222	NA	µg/L	0.000000545	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	4.7	12.4	222	NA	µg/L	0.0000000559	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	4.62	84.5	222	NA	µg/L	0.000000381	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	4.64	496	222	NA	µg/L	0.00000223	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	4.18	309	222	NA	µg/L	0.00000139	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5.38	127	222	NA	µg/L	0.000000572	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	4.53	42.6	222	NA	µg/L	0.000000192	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5.27	173	222	NA	µg/L	0.000000779	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5.02	5.02	222	NA	µg/L	0.0000000226	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5.01	5.01	222	NA	µg/L	0.0000000226	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	NA	26,700	222	6.4	pg/L	120	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	1.91	12.9	222	NA	µg/L	0.0000000581	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	6.16	47.7	222	NA	µg/L	0.000000215	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	2.48	2.48	222	NA	µg/L	0.0000000112	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	2.6	2.6	222	NA	µg/L	0.0000000117	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	4.08	4.08	222	NA	µg/L	0.0000000184	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	2.4	2.4	222	NA	µg/L	0.0000000108	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	3.75	3.75	222	NA	µg/L	0.0000000169	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	3.37	3.37	222	NA	µg/L	0.0000000152	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	4.16	4.16	222	NA	µg/L	0.0000000187	U

Table 3-4 (continued)
HVS Particulate and Dissolved Phase Concentration Conversion Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	Phase	Sample Date	Chemical Class	Chemical	Analysis Method	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	CUL	Unit	Concentration	Qualifier
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	3.32	3.32	222	NA	µg/L	0.0000000150	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5.63	5.63	222	NA	µg/L	0.0000000254	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	3.16	3.16	222	NA	µg/L	0.0000000142	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3.49	3.49	222	NA	µg/L	0.0000000157	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	4.06	4.06	222	NA	µg/L	0.0000000183	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5.1	5.1	222	NA	µg/L	0.0000000230	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.17	27.7	222	NA	µg/L	0.000000125	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	6.16	93.8	222	NA	µg/L	0.000000423	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	2.84	5.6	222	NA	µg/L	0.0000000252	
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3.99	3.99	222	NA	µg/L	0.0000000180	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10.2	23.1	222	NA	µg/L	0.000000104	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	17	239	222	NA	µg/L	0.00000108	J
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3.4	3.4	222	NA	µg/L	0.0000000153	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	5.63	5.63	222	NA	µg/L	0.0000000254	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	5.1	5.1	222	NA	µg/L	0.0000000230	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	4.06	4.06	222	NA	µg/L	0.0000000183	U
SIB-SW-AAQ005-BACK-030923	Dissolved	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	NA	8	222	0.00051	pg/L	0.0360	J

Notes:

CUL exceedance for detected values
MDL exceeds CUL

µg/L = micrograms per liter
ng = nanograms
pg = picograms
L = liters
A = summed value based on limited number of analytes
CUL = cleanup level
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethane
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
HVS = high-volume sampling
J = estimated value
NA = Not analyzed due to limited sample mass
O/P = organochlorine pesticides
PCBs = polychlorinated biphenyl
PCDD = polychlorinated dibenzofuran
PCDF = polychlorinated dibenzofuran
R = rejected value
SE = pre-filter sample from HVS system
SIM = selected ion monitoring
SW = post-filter sample from HVS system
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
U = analyte not detected above laboratory reporting limit

Table 3-5
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	O/P	2,4'-DDD	E1699M	5/5/2022	0.00000458	U	0.00000444	J	0.00000672	NA	µg/L	0.00000672
AAM107	O/P	P,P'-DDD	E1699M	5/5/2022	0.0000110		0.00000902	J	0.0000200	NA	µg/L	0.0000200
AAM107	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000133		0.0000135		0.0000268	0.031	ng/L	0.0268
AAM107	O/P	O,P'-DDE	E1699M	5/5/2022	0.00000337	U	0.00000169	U	0.00000338	NA	µg/L	0.00000338
AAM107	O/P	P,P'-DDE	E1699M	5/5/2022	0.00000357	U	0.0000143		0.0000161	NA	µg/L	0.0000161
AAM107	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000357	U	0.0000151		0.0000187	0.018	ng/L	0.0187
AAM107	O/P	O,P'-DDT	E1699M	5/5/2022	0.00000978	U	0.00000627	U	0.0000112	NA	µg/L	0.0000112
AAM107	O/P	P,P'-DDT	E1699M	5/5/2022	0.0000112	U	0.0000140	J	0.0000196	NA	µg/L	0.0000196
AAM107	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000112	U	0.0000172		0.0000284	0.022	ng/L	0.0284
AAM107	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000272		0.0000458		0.0000730	10	ng/L	0.0730
AAM107	O/P	2,4'-DDD	E1699M	10/21/2022	0.00000264	J	0.00000563	J	0.00000827	NA	µg/L	0.00000827
AAM107	O/P	P,P'-DDD	E1699M	10/21/2022	0.00000353	J	0.0000115		0.0000150	NA	µg/L	0.0000150
AAM107	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000617		0.0000171		0.0000233	0.031	ng/L	0.0233
AAM107	O/P	O,P'-DDE	E1699M	10/21/2022	0.00000414	U	0.00000414	U	0.00000621	NA	µg/L	0.00000621
AAM107	O/P	P,P'-DDE	E1699M	10/21/2022	0.00000414	U	0.0000125		0.0000145	NA	µg/L	0.0000145
AAM107	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000414	U	0.0000145		0.0000187	0.018	ng/L	0.0187
AAM107	O/P	O,P'-DDT	E1699M	10/21/2022	0.00000253	J	0.0000134		0.0000159	NA	µg/L	0.0000159
AAM107	O/P	P,P'-DDT	E1699M	10/21/2022	0.00000741	J	0.0000501		0.0000575	NA	µg/L	0.0000575
AAM107	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000994		0.0000634		0.0000733	0.022	ng/L	0.0733
AAM107	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000202		0.0000952		0.000115	10	ng/L	0.115
AAM107	O/P	2,4'-DDD	E1699	3/9/2023	0.00000959	R	0.00000100	J	NA	NA	µg/L	NA
AAM107	O/P	P,P'-DDD	E1699	3/9/2023	0.00000959	R	0.00000210	J	NA	NA	µg/L	NA
AAM107	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	3/9/2023	NA		0.00000310		NA	0.031	ng/L	NA
AAM107	O/P	O,P'-DDE	E1699	3/9/2023	0.00000480	R	0.00000480	U	NA	NA	µg/L	NA
AAM107	O/P	P,P'-DDE	E1699	3/9/2023	0.00000480	R	0.00000219	J	NA	NA	µg/L	NA
AAM107	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	3/9/2023	NA		0.00000459		NA	0.018	ng/L	NA
AAM107	O/P	O,P'-DDT	E1699	3/9/2023	0.00000959	R	0.00000959	U	NA	NA	µg/L	NA
AAM107	O/P	P,P'-DDT	E1699	3/9/2023	0.00000959	R	0.00000262	J	NA	NA	µg/L	NA
AAM107	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3/9/2023	NA		0.00000743		NA	0.022	ng/L	NA
AAM107	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	3/9/2023	NA		0.0000151		NA	10	ng/L	NA
AAM107	O/P	DIELDRIN	E1699M	5/5/2022	0.0000266	J	0.00000516	U	0.0000292	NA	µg/L	0.0000292
AAM107	O/P	DIELDRIN	E1699M	10/21/2022	0.00000414	U	0.00000414	UJ	0.00000621	NA	µg/L	0.00000621
AAM107	O/P	DIELDRIN	E1699	3/9/2023	0.00000480	R	0.00000480	UJ	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	5/5/2022	0.0000000893		0.0000000507	U	0.000000115	NA	µg/L	0.000000115
AAM107	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	5/5/2022	0.00000987	J	0.0000000260	U	0.00000988	NA	µg/L	0.00000988
AAM107	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	5/5/2022	0.00000507		0.00000200		0.00000706	NA	µg/L	0.00000706
AAM107	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5/5/2022	0.0000000951	U	0.0000000241	U	0.000000072	NA	µg/L	0.0000000717
AAM107	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5/5/2022	0.00000929		0.0000000266	U	0.00000930	NA	µg/L	0.00000930
AAM107	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	5/5/2022	0.0000000960	U	0.000000391	U	0.000000439	NA	µg/L	0.000000439
AAM107	PCBs (as congeners)	Dichlorobiphenyl	E1668	5/5/2022	0.000689		0.0000609		0.000750	NA	µg/L	0.000750
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5/5/2022	0.000560		0.0000255		0.000585	NA	µg/L	0.000585
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	5/5/2022	0.00000134		0.0000000420	U	0.00000136	NA	µg/L	0.00000136
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	5/5/2022	0.0000836		0.00000542		0.0000890	NA	µg/L	0.0000890
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	5/5/2022	0.000000471		0.0000000489	U	0.000000496	NA	µg/L	0.000000496
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	5/5/2022	0.000000729		0.0000000442	UJ	0.000000751	NA	µg/L	0.000000751
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5/5/2022	0.00000911		0.000000627		0.00000974	NA	µg/L	0.00000974
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	5/5/2022	0.0000000618	U	0.0000000437	U	0.000000075	NA	µg/L	0.0000000746
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	5/5/2022	0.000000379		0.0000000484	UJ	0.000000403	NA	µg/L	0.000000403
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	5/5/2022	0.0000000684	U	0.0000000480	U	0.000000082	NA	µg/L	0.0000000822
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	5/5/2022	0.000000367		0.00000428		0.00000464	NA	µg/L	0.00000464
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5/5/2022	0.0000000604	U	0.00000121		0.00000124	NA	µg/L	0.00000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5/5/2022	0.0000000600	U	0.000000176	U	0.000000206	NA	µg/L	0.000000206

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5/5/2022	0.000000458		0.00000427		0.00000472	NA	µg/L	0.00000472
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5/5/2022	0.000000196	J	0.00000213		0.00000232	NA	µg/L	0.00000232
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5/5/2022	0.0000000596	U	0.000000207	J	0.000000237	NA	µg/L	0.000000237
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5/5/2022	0.0000000782	J	0.000000398	J	0.000000476	NA	µg/L	0.000000476
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5/5/2022	0.000000116		0.000000609		0.000000724	NA	µg/L	0.000000724
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5/5/2022	0.000000219		0.00000120		0.00000141	NA	µg/L	0.00000141
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5/5/2022	0.000000862		0.00000760		0.00000846	NA	µg/L	0.00000846
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5/5/2022	0.0000000493	U	0.000000181		0.000000206	NA	µg/L	0.000000206
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5/5/2022	0.0000000529	U	0.000000156	U	0.000000182	NA	µg/L	0.000000182
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	5/5/2022	0.000000223		0.00000206		0.00000228	NA	µg/L	0.00000228
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5/5/2022	0.0000000198	U	0.0000000398	U	0.000000050	NA	µg/L	0.0000000497
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	5/5/2022	0.0000000600	U	0.000000671		0.000000701	NA	µg/L	0.000000701
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5/5/2022	0.000000424		0.00000467		0.00000509	NA	µg/L	0.00000509
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5/5/2022	0.0000000175	U	0.0000000350	U	0.000000044	NA	µg/L	0.0000000437
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5/5/2022	0.0000000192	U	0.0000000404	U	0.000000050	NA	µg/L	0.0000000500
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000600	U	0.000000471	U	0.000000501	NA	µg/L	0.000000501
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5/5/2022	0.0000000462	U	0.000000676		0.000000699	NA	µg/L	0.000000699
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5/5/2022	0.0000000467	U	0.000000136	U	0.000000160	NA	µg/L	0.000000160
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5/5/2022	0.0000000412	U	0.000000119	U	0.000000139	NA	µg/L	0.000000139
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5/5/2022	0.000000183		0.00000264		0.00000283	NA	µg/L	0.00000283
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	5/5/2022	0.000000120		0.000000987		0.00000111	NA	µg/L	0.00000111
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	5/5/2022	0.00000194		0.0000140		0.0000160	NA	µg/L	0.0000160
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	5/5/2022	0.000000747		0.00000533		0.00000608	NA	µg/L	0.00000608
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	5/5/2022	0.0000000578	J	0.000000196		0.000000253	NA	µg/L	0.000000253
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	5/5/2022	0.0000000467	J	0.000000260	J	0.000000307	NA	µg/L	0.000000307
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	5/5/2022	0.00000129		0.00000671		0.00000800	NA	µg/L	0.00000800
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5/5/2022	0.0000000684	J	0.00000106		0.00000113	NA	µg/L	0.00000113
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5/5/2022	0.000000667		0.00000223		0.00000289	NA	µg/L	0.00000289
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	5/5/2022	0.0000000302	UJ	0.000000467	J	0.000000482	NA	µg/L	0.000000482
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	5/5/2022	0.0000000272	U	0.000000201	J	0.000000215	NA	µg/L	0.000000215
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	5/5/2022	0.000000390	J	0.00000315		0.00000354	NA	µg/L	0.00000354
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5/5/2022	0.000000326	J	0.00000256		0.00000289	NA	µg/L	0.00000289
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	5/5/2022	0.0000000357	J	0.0000000716	J	0.000000107	NA	µg/L	0.000000107
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	5/5/2022	0.0000000330	U	0.0000000729	U	0.000000089	NA	µg/L	0.0000000894
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	5/5/2022	0.000000116	J	0.000000742		0.000000858	NA	µg/L	0.000000858
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	5/5/2022	0.0000000291	U	0.0000000658	U	0.000000080	NA	µg/L	0.0000000803
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5/5/2022	0.00000229		0.0000136		0.0000159	NA	µg/L	0.0000159
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5/5/2022	0.0000000206	U	0.0000000381	U	0.000000048	NA	µg/L	0.0000000484
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5/5/2022	0.0000000258	J	0.0000000987		0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5/5/2022	0.0000000190	U	0.0000000363	U	0.000000046	NA	µg/L	0.0000000458
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5/5/2022	0.00000179		0.0000114		0.0000132	NA	µg/L	0.0000132
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	5/5/2022	0.0000000680	J	0.000000318	J	0.000000386	NA	µg/L	0.000000386
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5/5/2022	0.0000000188	U	0.0000000353	U	0.000000045	NA	µg/L	0.0000000447
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	5/5/2022	0.000000163	J	0.00000160		0.00000176	NA	µg/L	0.00000176
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5/5/2022	0.000000172		0.00000131		0.00000148	NA	µg/L	0.00000148
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	5/5/2022	0.0000000361	U	0.000000292	U	0.000000310	NA	µg/L	0.000000310
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5/5/2022	0.0000000432	U	0.000000350	U	0.000000371	NA	µg/L	0.000000371
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5/5/2022	0.0000000241	U	0.000000169		0.000000181	NA	µg/L	0.000000181
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5/5/2022	0.0000000210	U	0.0000000827	J	0.000000093	NA	µg/L	0.0000000932
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5/5/2022	0.000000144		0.000000996		0.00000114	NA	µg/L	0.00000114
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5/5/2022	0.0000000240	U	0.0000000533	U	0.000000065	NA	µg/L	0.0000000654
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000556	U	0.000000742	U	0.000000770	NA	µg/L	0.000000770

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Monochlorobiphenyl	E1668	5/5/2022	0.0000192	0.000000471	0.0000196	NA	µg/L	0.0000196
AAM107	PCBs (as congeners)	Nonachlorobiphenyl	E1668	5/5/2022	0.000000273 U	0.00000160	0.00000174	NA	µg/L	0.00000174
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000395 U	0.00000131	0.00000150	NA	µg/L	0.00000150
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5/5/2022	0.000000145 U	0.000000277 U	0.000000349	NA	µg/L	0.000000349
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5/5/2022	0.000000150 U	0.000000296	0.000000371	NA	µg/L	0.000000371
AAM107	PCBs (as congeners)	Octachlorobiphenyl	E1668	5/5/2022	0.000000176	0.00000747	0.00000764	NA	µg/L	0.00000764
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000933 U	0.00000267	0.00000272	NA	µg/L	0.00000272
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	5/5/2022	0.0000000420 U	0.000000871 J	0.000000892	NA	µg/L	0.000000892
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5/5/2022	0.0000000960 U	0.000000689 J	0.000000737	NA	µg/L	0.000000737
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	5/5/2022	0.0000000296 U	0.000000148 U	0.000000163	NA	µg/L	0.000000163
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5/5/2022	0.0000000362 U	0.00000144	0.00000146	NA	µg/L	0.00000146
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5/5/2022	0.0000000308 U	0.000000174 J	0.000000189	NA	µg/L	0.000000189
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5/5/2022	0.0000000320 U	0.000000204 J	0.000000220	NA	µg/L	0.000000220
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5/5/2022	0.0000000480 J	0.000000405	0.000000453	NA	µg/L	0.000000453
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5/5/2022	0.000000128	0.00000102	0.00000115	NA	µg/L	0.00000115
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	5/5/2022	0.0000000278 U	0.000000137 U	0.000000151	NA	µg/L	0.000000151
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5/5/2022	0.0000000844 U	0.000000502 U	0.000000544	NA	µg/L	0.000000544
AAM107	PCBs (as congeners)	PCB-167	E1668	5/5/2022	0.0000000412 U	0.000000502 J	0.000000523	NA	µg/L	0.000000523
AAM107	PCBs (as congeners)	PCB-82	E1668	5/5/2022	0.000000195	0.000000947	0.00000114	NA	µg/L	0.00000114
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	5/5/2022	0.000000164	0.000000680	0.000000844	NA	µg/L	0.000000844
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	5/5/2022	0.00000116	0.00000376	0.00000492	NA	µg/L	0.00000492
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	5/5/2022	0.000000257	0.00000148	0.00000174	NA	µg/L	0.00000174
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	5/5/2022	0.00000198	0.00000844	0.0000104	NA	µg/L	0.0000104
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	5/5/2022	0.00000363	0.0000135	0.0000171	NA	µg/L	0.0000171
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	5/5/2022	0.0000000653 U	0.0000000849 J	0.000000118	NA	µg/L	0.000000118
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	5/5/2022	0.0000000756 U	0.000000240 U	0.000000278	NA	µg/L	0.000000278
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	5/5/2022	0.0000000578 U	0.0000000898	0.000000119	NA	µg/L	0.000000119
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	5/5/2022	0.00000123	0.00000423	0.00000546	NA	µg/L	0.00000546
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	5/5/2022	0.000000884	0.00000310	0.00000399	NA	µg/L	0.00000399
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	5/5/2022	0.0000000578 J	0.000000199	0.000000257	NA	µg/L	0.000000257
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	5/5/2022	0.000000241 J	0.000000898 J	0.00000114	NA	µg/L	0.00000114
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	5/5/2022	0.00000760	0.0000185	0.0000261	NA	µg/L	0.0000261
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5/5/2022	0.000000306	0.000000390	0.000000696	NA	µg/L	0.000000696
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	5/5/2022	0.00000108	0.00000391	0.00000499	NA	µg/L	0.00000499
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	5/5/2022	0.000000132	0.000000315	0.000000446	NA	µg/L	0.000000446
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	5/5/2022	0.000000671	0.00000143 J	0.00000210	NA	µg/L	0.00000210
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5/5/2022	0.0000000458 J	0.0000000467 J	0.000000092	NA	µg/L	0.0000000924
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	5/5/2022	0.000000533	0.00000361	0.00000415	NA	µg/L	0.00000415
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	5/5/2022	0.0000000458 U	0.000000342	0.000000365	NA	µg/L	0.000000365
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5/5/2022	0.0000000434 U	0.000000160 U	0.000000182	NA	µg/L	0.000000182
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	5/5/2022	0.0000000547 U	0.000000207 U	0.000000234	NA	µg/L	0.000000234
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5/5/2022	0.0000000884 J	0.000000667	0.000000755	NA	µg/L	0.000000755
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5/5/2022	0.00000261	0.0000108	0.0000134	NA	µg/L	0.0000134
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5/5/2022	0.0000000480 U	0.000000170 U	0.000000194	NA	µg/L	0.000000194
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5/5/2022	0.0000000403 U	0.000000148 U	0.000000168	NA	µg/L	0.000000168
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	5/5/2022	0.0000000449 U	0.000000166 U	0.000000189	NA	µg/L	0.000000189
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	5/5/2022	0.0000000458 U	0.000000161 U	0.000000184	NA	µg/L	0.000000184
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	5/5/2022	0.00000122	0.00000756	0.00000878	NA	µg/L	0.00000878
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5/5/2022	0.0000000960	0.000000167 U	0.000000179	NA	µg/L	0.000000179
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5/5/2022	0.0000000384 U	0.000000135 U	0.000000154	NA	µg/L	0.000000154
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	5/5/2022	0.0000000684 J	0.000000178 U	0.000000157	NA	µg/L	0.000000157
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5/5/2022	0.0000000432 U	0.0000000361 J	0.000000058	NA	µg/L	0.0000000577

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	5/5/2022	0.0000000453 U	0.000000204 U	0.000000227	NA	µg/L	0.000000227
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5/5/2022	0.0000000467 U	0.000000167 U	0.000000190	NA	µg/L	0.000000190
AAM107	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5/5/2022	0.00000249	0.00000609	0.00000858	NA	µg/L	0.00000858
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5/5/2022	0.000145	0.000135	0.000280	NA	µg/L	0.000280
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5/5/2022	0.00000257	0.00000358	0.00000615	NA	µg/L	0.00000615
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5/5/2022	0.000000996	0.00000154	0.00000254	NA	µg/L	0.00000254
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5/5/2022	0.000000228	0.000000364	0.000000592	NA	µg/L	0.000000592
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5/5/2022	0.0000126	0.0000164	0.0000290	NA	µg/L	0.0000290
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5/5/2022	0.0000000707 J	0.000000107	0.000000177	NA	µg/L	0.000000177
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5/5/2022	0.00000158	0.00000122	0.00000280	NA	µg/L	0.00000280
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5/5/2022	0.0000000733 U	0.000000115 U	0.000000151	NA	µg/L	0.000000151
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5/5/2022	0.0000146	0.0000178	0.0000324	NA	µg/L	0.0000324
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5/5/2022	0.000000442	0.000000782	0.00000122	NA	µg/L	0.00000122
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5/5/2022	0.0000185	0.0000113	0.0000298	NA	µg/L	0.0000298
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5/5/2022	0.0000484	0.0000358	0.0000843	NA	µg/L	0.0000843
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5/5/2022	0.0000211	0.0000227	0.0000438	NA	µg/L	0.0000438
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5/5/2022	0.0000165	0.00000649	0.0000230	NA	µg/L	0.0000230
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5/5/2022	0.000000533	0.00000132	0.00000185	NA	µg/L	0.00000185
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	5/5/2022	0.0000000787 U	0.000000147 U	0.000000186	NA	µg/L	0.000000186
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	5/5/2022	0.000000189	0.000000381	0.000000571	NA	µg/L	0.000000571
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5/5/2022	0.0000000862 U	0.000000160 U	0.000000203	NA	µg/L	0.000000203
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5/5/2022	0.000000408	0.000000631	0.00000104	NA	µg/L	0.00000104
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5/5/2022	0.000000314	0.000000747	0.00000106	NA	µg/L	0.00000106
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	5/5/2022	0.00000110	0.00000283	0.00000392	NA	µg/L	0.00000392
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5/5/2022	0.0000000916 U	0.000000120	0.000000166	NA	µg/L	0.000000166
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5/5/2022	0.000000800	0.00000113	0.00000193	NA	µg/L	0.00000193
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	5/5/2022	0.0000000742 U	0.000000143	0.000000180	NA	µg/L	0.000000180
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5/5/2022	0.00000120	0.00000201	0.00000321	NA	µg/L	0.00000321
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5/5/2022	0.0000000800 U	0.000000106 J	0.000000146	NA	µg/L	0.000000146
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5/5/2022	0.000000412	0.000000489	0.000000900	NA	µg/L	0.000000900
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	5/5/2022	0.0000000898 U	0.000000587 J	0.000000632	NA	µg/L	0.000000632
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5/5/2022	0.0000000724 U	0.000000137 U	0.000000173	NA	µg/L	0.000000173
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5/5/2022	0.0000000849 U	0.000000159 U	0.000000201	NA	µg/L	0.000000201
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	5/5/2022	0.0000000800 U	0.000000152 U	0.000000192	NA	µg/L	0.000000192
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	5/5/2022	0.0000000840 U	0.000000157 U	0.000000199	NA	µg/L	0.000000199
AAM107	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5/5/2022	0.00000294	0.0000301	0.0000331	NA	µg/L	0.0000331
AAM107	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	5/5/2022	0.0000107	0.0000707	0.0000814	NA	µg/L	0.0000814
AAM107	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5/5/2022	0.0000243	0.0000849	0.000109	NA	µg/L	0.000109
AAM107	PCBs (as congeners)	Trichlorobiphenyl	E1668	5/5/2022	0.000279	0.0000693	0.000348	NA	µg/L	0.000348
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5/5/2022	0.00000176	0.000000760	0.00000252	NA	µg/L	0.00000252
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5/5/2022	0.0000152	0.00000431	0.0000195	NA	µg/L	0.0000195
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	5/5/2022	0.0000137	0.00000367	0.0000174	NA	µg/L	0.0000174
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5/5/2022	0.000158	0.0000262	0.000184	NA	µg/L	0.000184
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5/5/2022	0.00000414	0.00000428	0.00000843	NA	µg/L	0.00000843
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5/5/2022	0.000000969	0.00000116	0.00000213	NA	µg/L	0.00000213
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5/5/2022	0.00000249	0.00000214	0.00000464	NA	µg/L	0.00000464
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5/5/2022	0.00000181	0.00000128	0.00000310	NA	µg/L	0.00000310
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5/5/2022	0.0000000929 U	0.0000000849 U	0.000000131	NA	µg/L	0.000000131
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5/5/2022	0.0000000920 U	0.0000000858 U	0.000000132	NA	µg/L	0.000000132
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5/5/2022	0.00000173	0.00000122	0.00000295	NA	µg/L	0.00000295
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	5/5/2022	0.0000000782 U	0.0000000399 U	0.000000079	NA	µg/L	0.0000000790
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	5/5/2022	0.00000938	0.00000214	0.0000115	NA	µg/L	0.0000115

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5/5/2022	0.00000352	0.00000338	0.00000690	NA	µg/L	0.00000690
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	5/5/2022	0.0000653	0.0000164	0.0000817	NA	µg/L	0.0000817
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5/5/2022	0.000000335	0.000000960	0.00000129	NA	µg/L	0.00000129
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5/5/2022	0.0000000760 U	0.000000311	0.000000349	NA	µg/L	0.000000349
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5/5/2022	0.000000662	0.00000121 J	0.00000188	NA	µg/L	0.00000188
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5/5/2022	0.0000000831 U	0.0000000764 U	0.000000118	NA	µg/L	0.000000118
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5/5/2022	0.0000000844 U	0.0000000782 U	0.000000120	NA	µg/L	0.000000120
AAM107	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00114 J	0.00044 J	0.00158	6.4	pg/L	1,579
AAM107	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	10/21/2022	0.000195859	0.000000113	0.000000347	NA	µg/L	0.000000347
AAM107	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	10/21/2022	0.0002022062 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	10/21/2022	0.0000000828 U	0.0000000828 UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	10/21/2022	0.0000000828 U	0.0000000828 UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	10/21/2022	0.0000000828 U	0.00000186	0.00000190	NA	µg/L	0.00000190
AAM107	PCBs (as congeners)	Dichlorobiphenyl	E1668	10/21/2022	0.000168 J	0.0000464	0.000214	NA	µg/L	0.000214
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10/21/2022	0.0000961	0.0000202	0.000116	NA	µg/L	0.000116
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10/21/2022	0.0000150	0.0000000828 U	0.0000151	NA	µg/L	0.0000151
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10/21/2022	0.0000000828 UJ	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	10/21/2022	0.00000156	0.000000455	0.00000201	NA	µg/L	0.00000201
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10/21/2022	0.000000248 U	0.000000248 U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10/21/2022	0.0000000828 U	0.00000369	0.00000373	NA	µg/L	0.00000373
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	10/21/2022	0.000000166 UJ	0.00000112	0.00000120	NA	µg/L	0.00000120
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10/21/2022	0.0000000828 U	0.00000313	0.00000318	NA	µg/L	0.00000318
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	10/21/2022	0.0000000828 U	0.00000196	0.00000200	NA	µg/L	0.00000200
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	10/21/2022	0.0000000828 U	0.0000000828 UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10/21/2022	0.000000166 UJ	0.00000716	0.00000725	NA	µg/L	0.00000725
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	10/21/2022	0.0000000828 U	0.00000166	0.00000170	NA	µg/L	0.00000170
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	10/21/2022	0.0000000828 UJ	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10/21/2022	0.0000000828 U	0.00000361	0.00000366	NA	µg/L	0.00000366
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10/21/2022	0.0000000828 UJ	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10/21/2022	0.000000166 U	0.00000270	0.00000278	NA	µg/L	0.00000278
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10/21/2022	0.0000000828 U	0.00000126	0.00000130	NA	µg/L	0.00000130
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10/21/2022	0.000000248 U	0.0000166	0.0000167	NA	µg/L	0.0000167
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10/21/2022	0.0000000828 U	0.000000284	0.000000325	NA	µg/L	0.000000325
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10/21/2022	0.0000000828 U	0.0000000828 U	0.000000124	NA	µg/L	0.000000124

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10/21/2022	0.000000166	U	0.000000166	U	0.000000248	NA	µg/L	0.000000248
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10/21/2022	0.0000000828	U	0.000000592	J	0.000000634	NA	µg/L	0.000000634
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	10/21/2022	0.000000166	U	0.000000166	U	0.000000248	NA	µg/L	0.000000248
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10/21/2022	0.0000000828	U	0.00000205	J	0.00000210	NA	µg/L	0.00000210
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	10/21/2022	0.000000166	U	0.000000166	U	0.000000248	NA	µg/L	0.000000248
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	10/21/2022	0.000000166	UJ	0.000000166	U	0.000000248	NA	µg/L	0.000000248
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10/21/2022	0.0000000828	U	0.000000353	J	0.000000395	NA	µg/L	0.000000395
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	10/21/2022	0.000000166	U	0.00000154		0.00000162	NA	µg/L	0.00000162
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000828	UJ	0.00000147	J	0.00000151	NA	µg/L	0.00000151
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10/21/2022	0.0000000828	U	0.0000000687	J	0.000000110	NA	µg/L	0.000000110
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.0000000828	U	0.00000117		0.00000121	NA	µg/L	0.00000121
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Monochlorobiphenyl	E1668	10/21/2022	0.00000493		0.000000878	J	0.00000581	NA	µg/L	0.00000581
AAM107	PCBs (as congeners)	Nonachlorobiphenyl	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl	E1668	10/21/2022	0.000000944	J	0.00000584	J	0.00000678	NA	µg/L	0.00000678
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.000000188	J	0.00000164		0.00000183	NA	µg/L	0.00000183
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10/21/2022	0.0000000828	UJ	0.000000737	J	0.000000778	NA	µg/L	0.000000778
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.0000000828	U	0.000000613	J	0.000000654	NA	µg/L	0.000000654
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	10/21/2022	0.000000166	U	0.00000174	J	0.00000182	NA	µg/L	0.00000182
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10/21/2022	0.0000000828	U	0.00000110		0.00000114	NA	µg/L	0.00000114
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	PCB-167	E1668	10/21/2022	0.0000000828	UJ	0.000000737		0.000000778	NA	µg/L	0.000000778
AAM107	PCBs (as congeners)	PCB-82	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	10/21/2022	0.000000414	U	0.000000414	UJ	0.000000621	NA	µg/L	0.000000621
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	10/21/2022	0.000000248	UJ	0.000000683	J	0.000000807	NA	µg/L	0.000000807
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	10/21/2022	0.0000000828	U	0.00000102		0.00000106	NA	µg/L	0.00000106
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	10/21/2022	0.0000000828	U	0.0000000899	J	0.000000131	NA	µg/L	0.000000131
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10/21/2022	0.000000166	UJ	0.000000166	UJ	0.000000248	NA	µg/L	0.000000248
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	10/21/2022	0.000000331	U	0.000000331	U	0.000000497	NA	µg/L	0.000000497
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10/21/2022	0.0000712	J	0.0000725	J	0.000144	NA	µg/L	0.000144
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10/21/2022	0.00000832		0.00000447		0.0000128	NA	µg/L	0.0000128
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10/21/2022	0.0000156		0.0000183		0.0000339	NA	µg/L	0.0000339
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10/21/2022	0.00000405		0.00000460		0.00000865	NA	µg/L	0.00000865
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10/21/2022	0.0000000828	UJ	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10/21/2022	0.000000248	UJ	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	10/21/2022	0.000000165	J	0.000000300		0.000000465	NA	µg/L	0.000000465
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	10/21/2022	0.0000000828	UJ	0.000000733		0.000000774	NA	µg/L	0.000000774
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	10/21/2022	0.00000559	J	0.0000248	J	0.0000304	NA	µg/L	0.0000304
AAM107	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	10/21/2022	0.0000212	J	0.0000696	J	0.0000908	NA	µg/L	0.0000908
AAM107	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000493	J	0.0000716	J	0.000121	NA	µg/L	0.000121
AAM107	PCBs (as congeners)	Trichlorobiphenyl	E1668	10/21/2022	0.0000758		0.0000513	J	0.000127	NA	µg/L	0.000127
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10/21/2022	0.0000330		0.0000166		0.0000496	NA	µg/L	0.0000496
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10/21/2022	0.000000248	U	0.000000248	U	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.000000248	U	0.000000248	UJ	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.000000248	U	0.000000248	UJ	0.000000373	NA	µg/L	0.000000373
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10/21/2022	0.00000213		0.0000000828	U	0.00000217	NA	µg/L	0.00000217
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	10/21/2022	0.0000109		0.00000853		0.0000195	NA	µg/L	0.0000195
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	UJ	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10/21/2022	0.0000000828	U	0.0000000828	U	0.000000124	NA	µg/L	0.000000124
AAM107	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00020	J	0.00014	J	0.00034	6.4	pg/L	338
AAM107	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	3/9/2023	0.00000405	R	0.0000000216	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	3/9/2023	0.00000281	R	0.000000259		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	3/9/2023	0.00000413	R	0.000000729		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3/9/2023	0.00000180	R	0.0000000349	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3/9/2023	0.00000212	R	0.000000523		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3/9/2023	0.000000662	J	0.000000135		0.000000797	NA	µg/L	0.000000797
AAM107	PCBs (as congeners)	Dichlorobiphenyl	E1668	3/9/2023	0.000136		0.0000441		0.000180	NA	µg/L	0.000180
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	3/9/2023	0.0000169	J	0.0000290		0.0000459	NA	µg/L	0.0000459
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3/9/2023	0.00000331	R	0.000000126		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3/9/2023	0.00000926	J	0.00000628		0.0000155	NA	µg/L	0.0000155
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3/9/2023	0.00000384	R	0.0000000457	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3/9/2023	0.00000346	R	0.0000000633	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3/9/2023	0.00000311	R	0.000000585		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3/9/2023	0.000110	J	0.00000729		0.000117	NA	µg/L	0.000117
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3/9/2023	0.00000406	R	0.0000000214	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3/9/2023	0.00000403	R	0.0000000208	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	3/9/2023	0.000000844	J	0.000000324		0.00000117	NA	µg/L	0.00000117

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3/9/2023	0.000000296	R	0.000000109	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3/9/2023	0.000000275	R	0.0000000571	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3/9/2023	0.00000130	J	0.000000290		0.00000159	NA	µg/L	0.00000159
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3/9/2023	0.000000825	J	0.000000182		0.00000101	NA	µg/L	0.00000101
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3/9/2023	0.000000282	R	0.0000000453	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3/9/2023	0.000000212	R	0.0000000282	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3/9/2023	0.000000263	R	0.0000000657	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3/9/2023	0.00000111	J	0.0000000830	J	0.00000119	NA	µg/L	0.00000119
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3/9/2023	0.00000246	J	0.000000700		0.00000316	NA	µg/L	0.00000316
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3/9/2023	0.000000238	R	0.0000000380	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3/9/2023	0.000000248	R	0.0000000403	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3/9/2023	0.000000791	J	0.000000173	J	0.000000965	NA	µg/L	0.000000965
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3/9/2023	0.000000199	R	0.0000000113	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	3/9/2023	0.000000306	R	0.0000000475	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3/9/2023	0.00000119	J	0.000000418		0.00000161	NA	µg/L	0.00000161
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3/9/2023	0.000000177	R	0.00000000993	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3/9/2023	0.000000224	R	0.0000000121	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	3/9/2023	0.000000323	R	0.0000000753	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3/9/2023	0.000000255	R	0.0000000518	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	3/9/2023	0.000000224	R	0.0000000358	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3/9/2023	0.000000194	R	0.0000000315	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	3/9/2023	0.000000365	R	0.000000303		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3/9/2023	0.000000388	J	0.000000133		0.000000521	NA	µg/L	0.000000521
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3/9/2023	0.00000313	J	0.00000163		0.00000476	NA	µg/L	0.00000476
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3/9/2023	0.00000111	J	0.000000508		0.00000162	NA	µg/L	0.00000162
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	3/9/2023	0.000000199	R	0.0000000317	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3/9/2023	0.000000175	R	0.0000000191	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3/9/2023	0.00000129	J	0.000000571		0.00000186	NA	µg/L	0.00000186
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3/9/2023	0.000000209	R	0.000000104		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3/9/2023	0.00000130	J	0.000000228		0.00000153	NA	µg/L	0.00000153
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	3/9/2023	0.000000223	J	0.0000000849	J	0.000000308	NA	µg/L	0.000000308
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3/9/2023	0.000000179	R	0.0000000384	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3/9/2023	0.000000830	J	0.000000289		0.00000112	NA	µg/L	0.00000112
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3/9/2023	0.000000371	J	0.000000290		0.000000661	NA	µg/L	0.000000661
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3/9/2023	0.000000198	R	0.0000000196	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	3/9/2023	0.000000199	R	0.0000000216	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3/9/2023	0.000000285	J	0.0000000767	J	0.000000362	NA	µg/L	0.000000362
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3/9/2023	0.000000183	R	0.0000000199	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3/9/2023	0.00000270	J	0.00000124		0.00000394	NA	µg/L	0.00000394
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3/9/2023	0.000000382	R	0.0000000131	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3/9/2023	0.000000397	R	0.0000000144	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3/9/2023	0.000000362	R	0.0000000123	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3/9/2023	0.00000251	J	0.00000115		0.00000366	NA	µg/L	0.00000366
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3/9/2023	0.000000174	R	0.0000000452	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3/9/2023	0.000000400	R	0.0000000137	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	3/9/2023	0.000000463	R	0.000000263		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3/9/2023	0.000000431	J	0.000000153	J	0.000000583	NA	µg/L	0.000000583
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	3/9/2023	0.000000271	R	0.0000000552	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	3/9/2023	0.000000319	R	0.0000000647	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3/9/2023	0.000000151	R	0.0000000169	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3/9/2023	0.000000135	R	0.0000000144	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	3/9/2023	0.000000236	J	0.0000000806	J	0.000000317	NA	µg/L	0.000000317

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3/9/2023	0.000000153	R	0.0000000168	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	3/9/2023	0.000000386	R	0.000000186	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Monochlorobiphenyl	E1668	3/9/2023	0.00000246	U	0.000000815		0.00000205	NA	µg/L	0.00000205
AAM107	PCBs (as congeners)	Nonachlorobiphenyl	E1668	3/9/2023	0.000000724	U	0.0000000887	J	0.000000451	NA	µg/L	0.000000451
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	3/9/2023	0.000000950	R	0.000000137	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	3/9/2023	0.000000465	R	0.0000000671	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	3/9/2023	0.000000499	R	0.0000000887	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl	E1668	3/9/2023	0.000000434	U	0.000000686	J	0.000000903	NA	µg/L	0.000000903
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	3/9/2023	0.000000532	R	0.000000153	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3/9/2023	0.000000390	R	0.0000000873	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	3/9/2023	0.000000571	R	0.000000107	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	3/9/2023	0.000000290	R	0.0000000508	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3/9/2023	0.000000358	R	0.000000201		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	3/9/2023	0.000000343	R	0.0000000518	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	3/9/2023	0.000000335	R	0.0000000676	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	3/9/2023	0.000000346	R	0.0000000719	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	3/9/2023	0.000000323	R	0.000000105		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	3/9/2023	0.000000294	R	0.0000000479	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	3/9/2023	0.000000523	R	0.0000000978	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	PCB-167	E1668	3/9/2023	0.000000337	R	0.0000000916	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	PCB-82	E1668	3/9/2023	0.000000552	J	0.000000161		0.000000712	NA	µg/L	0.000000712
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3/9/2023	0.000000456	R	0.000000144		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3/9/2023	0.00000102	J	0.000000470		0.00000149	NA	µg/L	0.00000149
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3/9/2023	0.000000835	J	0.0000000358	U	0.000000852	NA	µg/L	0.000000852
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3/9/2023	0.00000301	J	0.00000130		0.00000432	NA	µg/L	0.00000432
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3/9/2023	0.00000319	J	0.00000166		0.00000485	NA	µg/L	0.00000485
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3/9/2023	0.000000359	R	0.0000000375	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3/9/2023	0.000000403	R	0.000000576		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3/9/2023	0.000000325	R	0.0000000380	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3/9/2023	0.000000377	R	0.0000000353	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3/9/2023	0.000000647	J	0.000000360		0.00000101	NA	µg/L	0.00000101
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3/9/2023	0.000000437	R	0.0000000444	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3/9/2023	0.000000398	R	0.000000166	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3/9/2023	0.00000256	J	0.00000188		0.00000444	NA	µg/L	0.00000444
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3/9/2023	0.000000484	R	0.0000000676	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3/9/2023	0.00000117	J	0.000000576		0.00000174	NA	µg/L	0.00000174
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3/9/2023	0.000000343	R	0.0000000474	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3/9/2023	0.000000366	R	0.000000203		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3/9/2023	0.000000532	R	0.0000000223	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	3/9/2023	0.00000123	J	0.000000580		0.00000181	NA	µg/L	0.00000181
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	3/9/2023	0.000000386	J	0.0000000643	J	0.000000450	NA	µg/L	0.000000450
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	3/9/2023	0.000000260	R	0.0000000266	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3/9/2023	0.000000358	R	0.0000000332	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	3/9/2023	0.000000252	R	0.0000000993		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	3/9/2023	0.00000454	J	0.00000161		0.00000614	NA	µg/L	0.00000614
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	3/9/2023	0.000000276	R	0.0000000286	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	3/9/2023	0.000000248	R	0.0000000248	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3/9/2023	0.000000326	R	0.0000000420	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	3/9/2023	0.000000288	R	0.0000000293	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3/9/2023	0.00000240	J	0.00000119		0.00000360	NA	µg/L	0.00000360
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	3/9/2023	0.000000231	R	0.0000000255	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	3/9/2023	0.000000226	R	0.0000000242	U	NA	NA	µg/L	NA

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	3/9/2023	0.000000306	R	0.0000000447	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	3/9/2023	0.000000251	R	0.0000000261	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	3/9/2023	0.000000383	R	0.0000000830	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	3/9/2023	0.000000262	R	0.0000000279	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	3/9/2023	0.00000310	J	0.00000118		0.00000428	NA	µg/L	0.00000428
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3/9/2023	0.0000141	J	0.0000242	J	0.0000384	NA	µg/L	0.0000384
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	3/9/2023	0.00000109	J	0.000000657		0.00000175	NA	µg/L	0.00000175
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	3/9/2023	0.000000459	R	0.000000271		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	3/9/2023	0.000000542	R	0.0000000724	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	3/9/2023	0.00000253	J	0.00000260		0.00000513	NA	µg/L	0.00000513
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	3/9/2023	0.000000434	R	0.0000000247	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	3/9/2023	0.000000518	R	0.000000250		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	3/9/2023	0.000000513	R	0.0000000310	UJ	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3/9/2023	0.00000117	J	0.00000309		0.00000425	NA	µg/L	0.00000425
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	3/9/2023	0.000000443	R	0.000000125		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	3/9/2023	0.00000207	J	0.00000166		0.00000373	NA	µg/L	0.00000373
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	3/9/2023	0.000000426	R	0.00000695		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3/9/2023	0.00000150	J	0.00000371		0.00000521	NA	µg/L	0.00000521
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3/9/2023	0.00000115	R	0.00000173		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	3/9/2023	0.000000710	J	0.000000224		0.000000934	NA	µg/L	0.000000934
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	3/9/2023	0.000000624	R	0.0000000518	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	3/9/2023	0.000000609	R	0.0000000494	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	3/9/2023	0.000000691	R	0.0000000556	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3/9/2023	0.000000359	R	0.000000143	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	3/9/2023	0.000000758	R	0.000000121	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	3/9/2023	0.00000127	J	0.000000471		0.00000174	NA	µg/L	0.00000174
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	3/9/2023	0.000000753	R	0.0000000595	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	3/9/2023	0.000000691	R	0.000000176	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	3/9/2023	0.000000614	R	0.0000000489	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3/9/2023	0.000000686	J	0.000000390		0.00000108	NA	µg/L	0.00000108
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	3/9/2023	0.000000652	R	0.0000000532	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3/9/2023	0.000000317	R	0.000000125		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	3/9/2023	0.000000561	R	0.000000179		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	3/9/2023	0.000000585	R	0.0000000475	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	3/9/2023	0.000000686	R	0.0000000571	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	3/9/2023	0.000000652	R	0.0000000528	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	3/9/2023	0.000000806	R	0.0000000647	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3/9/2023	0.00000854	J	0.00000248	J	0.0000110	NA	µg/L	0.0000110
AAM107	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	3/9/2023	0.0000148	J	0.00000729	J	0.0000221	NA	µg/L	0.0000221
AAM107	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3/9/2023	0.0000215	J	0.0000115	J	0.0000330	NA	µg/L	0.0000330
AAM107	PCBs (as congeners)	Trichlorobiphenyl	E1668	3/9/2023	0	J	0.0000261		0.0000261	NA	µg/L	0.0000261
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3/9/2023	0	R	0.000000217		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3/9/2023	0	R	0.00000153		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3/9/2023	0	R	0.00000168		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3/9/2023	0	R	0.0000117		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3/9/2023	0.00000282	J	0.000000772		0.00000359	NA	µg/L	0.00000359
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3/9/2023	0.000000954	R	0.000000179		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3/9/2023	0.00000169	J	0.000000404		0.00000210	NA	µg/L	0.00000210
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3/9/2023	0.000000887	R	0.000000309		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3/9/2023	0.00000112	R	0.0000000198	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3/9/2023	0.00000110	R	0.0000000201	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3/9/2023	0.00000109	R	0.000000259		NA	NA	µg/L	NA

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3/9/2023	0	R	0.0000000142	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3/9/2023	0	R	0.00000100		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3/9/2023	0.00000207	J	0.000000624		0.00000270	NA	µg/L	0.00000270
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3/9/2023	0	R	0.00000700		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3/9/2023	0.00000105	R	0.000000221		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3/9/2023	0.000000921	R	0.0000000921	J	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3/9/2023	0.00000104	R	0.000000165		NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3/9/2023	0.00000101	R	0.0000000183	U	NA	NA	µg/L	NA
AAM107	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3/9/2023	0.00000102	R	0.0000000183	U	NA	NA	µg/L	NA
AAM107	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000	A	0.00012	J	0.00032	6.4	pg/L	118
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000186	J	0.00000103		0.00000105	NA	µg/L	0.00000105
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000198	J	0.000000320		0.000000340	NA	µg/L	0.000000340
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000101	R	0.0000000600	J	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000168	J	0.000000800		0.000000817	NA	µg/L	0.000000817
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000700	J	0.00000144		0.00000151	NA	µg/L	0.00000151
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000311	U	0.000000793	J	0.000000795	NA	µg/L	0.000000795
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000311	J	0.000000443		0.000000474	NA	µg/L	0.000000474
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000296	J	0.000000194		0.000000224	NA	µg/L	0.000000224
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000133	J	0.000000129	J	0.000000142	NA	µg/L	0.000000142
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000127	J	0.000000137		0.000000150	NA	µg/L	0.000000150
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000253	J	0.000000629		0.000000654	NA	µg/L	0.000000654
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000362	J	0.000000161	J	0.000000198	NA	µg/L	0.000000198
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000301	J	0.00000132		0.00000135	NA	µg/L	0.00000135
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000865	J	0.000000599		0.000000686	NA	µg/L	0.000000686
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000581	J	0.000000635	J	0.000000693	NA	µg/L	0.000000693
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000711	J	0.00000382		0.00000389	NA	µg/L	0.00000389
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000981	J	0.00000270		0.00000280	NA	µg/L	0.00000280
AAM107	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000197	R	0.000000331		NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000741	J	0.00000346		0.00000353	NA	µg/L	0.00000353
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000242		0.0000124		0.0000126	NA	µg/L	0.0000126
AAM131	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000484	U	0.00000366		0.00000366	NA	µg/L	0.00000366
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000141		0.00000181		0.00000195	NA	µg/L	0.00000195
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000290		0.00000150		0.00000179	NA	µg/L	0.00000179
AAM169	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000362	J	0.00000133		0.00000137	NA	µg/L	0.00000137
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000419	J	0.000000567		0.000000609	NA	µg/L	0.000000609
AAM107	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	5/5/2022	0.0000000178	J	0.000000192	J	0.000000210	NA	µg/L	0.000000210
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000252		0.00000600		0.00000625	NA	µg/L	0.00000625
AAP957	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000105	J	0.000000544		0.000000649	NA	µg/L	0.000000649
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000795	J	0.00000483		0.00000491	NA	µg/L	0.00000491
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000348		0.00000382		0.00000417	NA	µg/L	0.00000417
AAQ005	PCDD/PCDFs	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000215		0.00000292		0.00000313	NA	µg/L	0.00000313
AAM107	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000116	U	0.0000000729	J	0.000000079	NA	µg/L	0.0000000787
AAM107	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000104	U	0.000000104	U	0.000000155	NA	µg/L	0.000000155
AAM107	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000140	R	0.0000000155	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000878	U	0.0000000615	J	0.000000066	NA	µg/L	0.0000000659
AAM131	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000921	U	0.000000121		0.000000167	NA	µg/L	0.000000167
AAM131	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000514	U	0.0000000536	J	0.000000056	NA	µg/L	0.0000000562
AAM169	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000835	U	0.0000000333	J	0.000000038	NA	µg/L	0.0000000375
AAM169	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000998	U	0.0000000998	U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000810	U	0.0000000114	U	0.000000015	NA	µg/L	0.0000000154
AAP957	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000102	U	0.0000000100	U	0.000000015	NA	µg/L	0.0000000151
AAP957	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000105	U	0.0000000595	J	0.000000112	NA	µg/L	0.000000112

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000184	U	0.0000000114	U	0.000000021	NA	µg/L	0.0000000206
AAQ005	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000828	U	0.0000000966		0.000000101	NA	µg/L	0.000000101
AAQ005	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000992	U	0.0000000472	J	0.000000097	NA	µg/L	0.0000000968
AAQ005	PCDD/PCDFs	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000112	U	0.0000000428	J	0.000000048	NA	µg/L	0.0000000484
AAM107	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000120	U	0.000000104	J	0.000000110	NA	µg/L	0.000000110
AAM107	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000170	J	0.0000000455	J	0.000000063	NA	µg/L	0.0000000626
AAM107	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000269	R	0.00000000686	UJ	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000139	U	0.000000104		0.000000111	NA	µg/L	0.000000111
AAM131	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000140	J	0.000000133		0.000000147	NA	µg/L	0.000000147
AAM107	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10/21/2022	0.000000115	J	0.000000109	J	0.000000224	NA	µg/L	0.000000224
AAM131	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000492	UJ	0.0000000985	J	0.000000101	NA	µg/L	0.000000101
AAM169	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000128	U	0.0000000392	J	0.000000046	NA	µg/L	0.0000000455
AAM169	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000179	J	0.0000000331	J	0.000000051	NA	µg/L	0.0000000510
AAM169	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000817	U	0.00000000796	UJ	0.000000012	NA	µg/L	0.0000000120
AAP957	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000811	U	0.0000000227	J	0.000000027	NA	µg/L	0.0000000268
AAP957	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000145	J	0.0000000763	J	0.000000091	NA	µg/L	0.0000000908
AAP957	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000194	U	0.00000000644	UJ	0.000000016	NA	µg/L	0.0000000161
AAQ005	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000654	U	0.000000133		0.000000137	NA	µg/L	0.000000137
AAQ005	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000176	J	0.0000000698	J	0.000000087	NA	µg/L	0.0000000875
AAQ005	PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000184	U	0.0000000887	J	0.000000098	NA	µg/L	0.0000000979
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000547	U	0.0000000556	J	0.000000058	NA	µg/L	0.0000000583
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000104	U	0.0000000229	J	0.000000075	NA	µg/L	0.0000000746
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000165	R	0.00000000576	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000830	U	0.0000000552	J	0.000000059	NA	µg/L	0.0000000593
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000921	U	0.0000000943		0.000000140	NA	µg/L	0.000000140
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000399	U	0.0000000369	J	0.000000039	NA	µg/L	0.0000000389
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000566	U	0.0000000298	J	0.000000033	NA	µg/L	0.0000000327
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000998	U	0.0000000998	U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000584	U	0.0000000132	J	0.000000016	NA	µg/L	0.0000000161
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000578	U	0.0000000111	J	0.000000014	NA	µg/L	0.0000000140
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.00000000872	J	0.0000000444	J	0.000000053	NA	µg/L	0.0000000532
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000133	U	0.0000000125	J	0.000000019	NA	µg/L	0.0000000191
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000393	U	0.0000000699	J	0.000000072	NA	µg/L	0.0000000719
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000992	U	0.0000000291	J	0.000000079	NA	µg/L	0.0000000787
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000108	U	0.0000000505	J	0.000000056	NA	µg/L	0.0000000559
AAM107	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	3/9/2023	NA		0.0000000192	J	NA	NA	µg/L	NA
AAM131	O/P	2,4'-DDD	E1699M	5/5/2022	0.00000496	U	0.0000186	J	0.0000211	NA	µg/L	0.0000211
AAM131	O/P	P,P'-DDD	E1699M	5/5/2022	0.00000804	J	0.0000242		0.0000322	NA	µg/L	0.0000322
AAM131	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000105		0.0000430		0.0000535	0.031	ng/L	0.0535
AAM131	O/P	O,P'-DDE	E1699M	5/5/2022	0.00000333	U	0.0000165		0.0000181	NA	µg/L	0.0000181
AAM131	O/P	P,P'-DDE	E1699M	5/5/2022	0.00000567		0.0000489	J	0.0000546	NA	µg/L	0.0000546
AAM131	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000733		0.0000656		0.0000729	0.018	ng/L	0.0729
AAM131	O/P	O,P'-DDT	E1699M	5/5/2022	0.0000135	U	0.0000359		0.0000427	NA	µg/L	0.0000427
AAM131	O/P	P,P'-DDT	E1699M	5/5/2022	0.0000126	U	0.0000707		0.0000771	NA	µg/L	0.0000771
AAM131	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000135	U	0.000107		0.000113	0.022	ng/L	0.113
AAM131	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000309		0.000215		0.000246	10	ng/L	0.246
AAM131	O/P	2,4'-DDD	E1699M	10/21/2022	0.00000866		0.0000278		0.0000364	NA	µg/L	0.0000364
AAM131	O/P	P,P'-DDD	E1699M	10/21/2022	0.0000150		0.0000810		0.0000960	NA	µg/L	0.0000960
AAM131	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000236		0.000109		0.000132	0.031	ng/L	0.132
AAM131	O/P	O,P'-DDE	E1699M	10/21/2022	0.00000368	U	0.0000150		0.0000169	NA	µg/L	0.0000169
AAM131	O/P	P,P'-DDE	E1699M	10/21/2022	0.00000737		0.0000696		0.0000770	NA	µg/L	0.0000770
AAM131	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000921		0.0000847		0.0000939	0.018	ng/L	0.0939

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	O/P	O,P'-DDT	E1699M	10/21/2022	0.0000108	0.000117	0.000128	NA	µg/L	0.000128
AAM131	O/P	P,P'-DDT	E1699M	10/21/2022	0.0000345	0.000413	0.000447	NA	µg/L	0.000447
AAM131	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000453	0.000530	0.000576	0.022	ng/L	0.576
AAM131	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000781	0.000722	0.000800	10	ng/L	0.800
AAM131	O/P	2,4'-DDD	E1699	3/9/2023	0.00000871 U	0.0000200 J	0.0000243	NA	µg/L	0.0000243
AAM131	O/P	P,P'-DDD	E1699	3/9/2023	0.00000871 U	0.0000248	0.0000292	NA	µg/L	0.0000292
AAM131	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000871 U	0.0000449	0.0000492	0.031	ng/L	0.0492
AAM131	O/P	O,P'-DDE	E1699	3/9/2023	0.00000436 U	0.0000179	0.0000201	NA	µg/L	0.0000201
AAM131	O/P	P,P'-DDE	E1699	3/9/2023	0.00000436 U	0.0000394	0.0000416	NA	µg/L	0.0000416
AAM131	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000436 U	0.0000575	0.0000597	0.018	ng/L	0.0597
AAM131	O/P	O,P'-DDT	E1699	3/9/2023	0.00000871 U	0.0000393 J	0.0000437	NA	µg/L	0.0000437
AAM131	O/P	P,P'-DDT	E1699	3/9/2023	0.00000871 U	0.0000715	0.0000758	NA	µg/L	0.0000758
AAM131	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000871 U	0.000111	0.000115	0.022	ng/L	0.115
AAM131	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000871 U	0.000213	0.000217	10	ng/L	0.217
AAM131	O/P	DIELDRIN	E1699M	5/5/2022	0.00000970 UJ	0.0000127 J	0.0000176	NA	µg/L	0.0000176
AAM131	O/P	DIELDRIN	E1699M	10/21/2022	0.0000353	0.00000368 UJ	0.0000371	NA	µg/L	0.0000371
AAM131	O/P	DIELDRIN	E1699	3/9/2023	0.00000436 U	0.0000142 J	0.0000164	NA	µg/L	0.0000164
AAM131	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	5/5/2022	0.0000000641 J	0.0000000581 J	0.000000122	NA	µg/L	0.000000122
AAM131	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	5/5/2022	0.0000000286 U	0.0000000169 UJ	0.000000031	NA	µg/L	0.0000000312
AAM131	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	5/5/2022	0.00000120	0.00000193	0.00000312	NA	µg/L	0.00000312
AAM131	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5/5/2022	0.0000000264 U	0.0000000142 U	0.000000027	NA	µg/L	0.0000000274
AAM131	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5/5/2022	0.0000000291 U	0.0000000161 U	0.000000031	NA	µg/L	0.0000000307
AAM131	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	5/5/2022	0.000000158 U	0.00000192	0.00000200	NA	µg/L	0.00000200
AAM131	PCBs (as congeners)	Dichlorobiphenyl	E1668	5/5/2022	0.0000959	0.0000926	0.000189	NA	µg/L	0.000189
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5/5/2022	0.00000144	0.000000826	0.00000226	NA	µg/L	0.00000226
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	5/5/2022	0.000000548	0.000000530	0.00000108	NA	µg/L	0.00000108
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	5/5/2022	0.00000227	0.00000182	0.00000409	NA	µg/L	0.00000409
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	5/5/2022	0.0000000522 UJ	0.0000000143 U	0.000000040	NA	µg/L	0.0000000404
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	5/5/2022	0.000000154	0.000000172	0.000000326	NA	µg/L	0.000000326
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5/5/2022	0.0000000837	0.0000000470 J	0.000000131	NA	µg/L	0.000000131
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	5/5/2022	0.0000896	0.0000867	0.000176	NA	µg/L	0.000176
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	5/5/2022	0.000000298	0.000000596	0.000000894	NA	µg/L	0.000000894
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	5/5/2022	0.0000000515 U	0.0000000140 U	0.000000040	NA	µg/L	0.0000000397
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	5/5/2022	0.000000896	0.0000276	0.0000285	NA	µg/L	0.0000285
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5/5/2022	0.000000318	0.00000819	0.00000850	NA	µg/L	0.00000850
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5/5/2022	0.000000195 J	0.00000448	0.00000468	NA	µg/L	0.00000468
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5/5/2022	0.00000148	0.0000297	0.0000312	NA	µg/L	0.0000312
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5/5/2022	0.000000644	0.0000143	0.0000150	NA	µg/L	0.0000150
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5/5/2022	0.000000116 U	0.000000981	0.00000104	NA	µg/L	0.00000104
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5/5/2022	0.000000182	0.00000251	0.00000269	NA	µg/L	0.00000269
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5/5/2022	0.000000214	0.00000322	0.00000344	NA	µg/L	0.00000344
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5/5/2022	0.000000533	0.00000570	0.00000624	NA	µg/L	0.00000624
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5/5/2022	0.00000232	0.0000574	0.0000597	NA	µg/L	0.0000597
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5/5/2022	0.0000000944 U	0.00000146	0.00000151	NA	µg/L	0.00000151
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5/5/2022	0.000000101 U	0.000000250 U	0.000000300	NA	µg/L	0.000000300
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	5/5/2022	0.000000730	0.000000238 U	0.000000849	NA	µg/L	0.000000849
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5/5/2022	0.0000000191 U	0.0000000230 U	0.000000033	NA	µg/L	0.0000000326
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	5/5/2022	0.000000124 J	0.0000186	0.0000187	NA	µg/L	0.0000187
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5/5/2022	0.00000160	0.0000261	0.0000277	NA	µg/L	0.0000277
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5/5/2022	0.0000000167 U	0.0000000212 U	0.000000030	NA	µg/L	0.0000000296
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5/5/2022	0.0000000193 U	0.0000000238 U	0.000000033	NA	µg/L	0.0000000334
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	5/5/2022	0.000000148 U	0.000000841	0.000000915	NA	µg/L	0.000000915

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5/5/2022	0.000000127 J	0.00000563	0.00000576	NA	µg/L	0.00000576
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5/5/2022	0.0000000885 U	0.00000134	0.00000139	NA	µg/L	0.00000139
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5/5/2022	0.0000000774 U	0.000000200 U	0.000000239	NA	µg/L	0.000000239
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5/5/2022	0.000000619	0.00000952	0.0000101	NA	µg/L	0.0000101
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	5/5/2022	0.000000317	0.00000407	0.00000439	NA	µg/L	0.00000439
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	5/5/2022	0.00000593	0.0000700	0.0000759	NA	µg/L	0.0000759
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	5/5/2022	0.00000234	0.0000251	0.0000274	NA	µg/L	0.0000274
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	5/5/2022	0.0000000696 J	0.000000785 J	0.000000855	NA	µg/L	0.000000855
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	5/5/2022	0.0000000615 J	0.000000656	0.000000717	NA	µg/L	0.000000717
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	5/5/2022	0.00000339	0.0000258	0.0000292	NA	µg/L	0.0000292
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5/5/2022	0.000000404 J	0.00000689	0.00000729	NA	µg/L	0.00000729
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5/5/2022	0.00000117	0.00000581 J	0.00000698	NA	µg/L	0.00000698
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	5/5/2022	0.000000119 J	0.00000204	0.00000216	NA	µg/L	0.00000216
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	5/5/2022	0.0000000433 J	0.000000767	0.000000810	NA	µg/L	0.000000810
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	5/5/2022	0.00000142	0.0000230	0.0000245	NA	µg/L	0.0000245
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5/5/2022	0.000000756	0.00000607	0.00000683	NA	µg/L	0.00000683
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	5/5/2022	0.0000000433 U	0.0000000426 U	0.000000064	NA	µg/L	0.0000000643
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	5/5/2022	0.0000000507 U	0.0000000456 U	0.000000071	NA	µg/L	0.0000000709
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	5/5/2022	0.000000448	0.00000419	0.00000463	NA	µg/L	0.00000463
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	5/5/2022	0.0000000459 U	0.0000000389 U	0.000000062	NA	µg/L	0.0000000619
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5/5/2022	0.00000648	0.0000567	0.0000631	NA	µg/L	0.0000631
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5/5/2022	0.0000000266 U	0.00000000870 U	0.000000022	NA	µg/L	0.0000000220
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5/5/2022	0.0000000281 U	0.00000000944 U	0.000000024	NA	µg/L	0.0000000235
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5/5/2022	0.0000000253 U	0.00000000811 U	0.000000021	NA	µg/L	0.0000000208
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5/5/2022	0.00000481	0.0000474	0.0000522	NA	µg/L	0.0000522
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	5/5/2022	0.0000000299 J	0.00000190	0.00000193	NA	µg/L	0.00000193
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5/5/2022	0.0000000247 U	0.00000000822 U	0.000000021	NA	µg/L	0.0000000206
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	5/5/2022	0.000000444	0.00000752	0.00000796	NA	µg/L	0.00000796
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5/5/2022	0.000000581	0.00000663	0.00000721	NA	µg/L	0.00000721
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	5/5/2022	0.000000136 U	0.000000719 U	0.000000786	NA	µg/L	0.000000786
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5/5/2022	0.000000162 U	0.000000863 U	0.000000944	NA	µg/L	0.000000944
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5/5/2022	0.0000000385 U	0.0000000317 U	0.000000051	NA	µg/L	0.0000000509
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5/5/2022	0.0000000320 U	0.00000170	0.00000172	NA	µg/L	0.00000172
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5/5/2022	0.000000426	0.00000452	0.00000494	NA	µg/L	0.00000494
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5/5/2022	0.0000000374 U	0.0000000327 U	0.000000051	NA	µg/L	0.0000000514
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	5/5/2022	0.000000251 U	0.000000885 U	0.00000101	NA	µg/L	0.00000101
AAM131	PCBs (as congeners)	Monochlorobiphenyl	E1668	5/5/2022	0.00000105	0.000000744	0.00000179	NA	µg/L	0.00000179
AAM131	PCBs (as congeners)	Nonachlorobiphenyl	E1668	5/5/2022	0.000000204 U	0.0000139	0.0000140	NA	µg/L	0.0000140
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000314 U	0.0000100	0.0000102	NA	µg/L	0.0000102
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5/5/2022	0.0000000985 U	0.00000117	0.00000122	NA	µg/L	0.00000122
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5/5/2022	0.0000000944 U	0.00000272	0.00000277	NA	µg/L	0.00000277
AAM131	PCBs (as congeners)	Octachlorobiphenyl	E1668	5/5/2022	0.00000118	0.0000444	0.0000456	NA	µg/L	0.0000456
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5/5/2022	0.000000285	0.0000107	0.0000110	NA	µg/L	0.0000110
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	5/5/2022	0.000000114 J	0.00000359	0.00000370	NA	µg/L	0.00000370
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5/5/2022	0.000000255 U	0.00000353	0.00000366	NA	µg/L	0.00000366
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	5/5/2022	0.0000000715 U	0.000000478 J	0.000000514	NA	µg/L	0.000000514
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5/5/2022	0.000000478	0.0000121	0.0000126	NA	µg/L	0.0000126
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5/5/2022	0.0000000696 U	0.00000126	0.00000129	NA	µg/L	0.00000129
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5/5/2022	0.0000000759 U	0.00000167	0.00000171	NA	µg/L	0.00000171
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5/5/2022	0.000000109	0.00000241	0.00000252	NA	µg/L	0.00000252
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5/5/2022	0.000000198	0.00000822	0.00000842	NA	µg/L	0.00000842
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	5/5/2022	0.0000000663 U	0.0000000541 U	0.000000087	NA	µg/L	0.0000000872

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000224 U	0.000000430 J	0.000000542	NA	µg/L	0.000000542
AAM131	PCBs (as congeners)	PCB-167	E1668	5/5/2022	0.000000158 U	0.00000275	0.00000283	NA	µg/L	0.00000283
AAM131	PCBs (as congeners)	PCB-82	E1668	5/5/2022	0.000000430 J	0.00000361	0.00000404	NA	µg/L	0.00000404
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	5/5/2022	0.000000359 J	0.00000124 J	0.00000160	NA	µg/L	0.00000160
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	5/5/2022	0.00000206	0.0000112	0.0000132	NA	µg/L	0.0000132
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	5/5/2022	0.000000541	0.00000364	0.00000418	NA	µg/L	0.00000418
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	5/5/2022	0.0000160 J	0.0000489 J	0.0000649	NA	µg/L	0.0000649
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	5/5/2022	0.00000663	0.0000411	0.0000477	NA	µg/L	0.0000477
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	5/5/2022	0.0000000789 U	0.000000313 J	0.000000352	NA	µg/L	0.000000352
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	5/5/2022	0.0000000822 U	0.00000507	0.00000512	NA	µg/L	0.00000512
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	5/5/2022	0.0000000804 U	0.000000236 U	0.000000276	NA	µg/L	0.000000276
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	5/5/2022	0.000000700 J	0.000000258 U	0.000000829	NA	µg/L	0.000000829
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	5/5/2022	0.00000108	0.00000707	0.00000815	NA	µg/L	0.00000815
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	5/5/2022	0.0000000967 U	0.000000307 U	0.000000355	NA	µg/L	0.000000355
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	5/5/2022	0.0000000848 U	0.000000933	0.000000976	NA	µg/L	0.000000976
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	5/5/2022	0.00000807	0.0000433	0.0000514	NA	µg/L	0.0000514
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5/5/2022	0.0000000500 J	0.0000000848 J	0.000000135	NA	µg/L	0.000000135
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	5/5/2022	0.00000162 J	0.0000109	0.0000125	NA	µg/L	0.0000125
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	5/5/2022	0.000000154	0.000000184	0.000000338	NA	µg/L	0.000000338
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	5/5/2022	0.0000000785 U	0.000000254 U	0.000000293	NA	µg/L	0.000000293
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5/5/2022	0.0000000238 U	0.0000000126 U	0.000000025	NA	µg/L	0.0000000245
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	5/5/2022	0.00000129	0.0000103	0.0000116	NA	µg/L	0.0000116
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	5/5/2022	0.000000137 J	0.00000109	0.00000123	NA	µg/L	0.00000123
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5/5/2022	0.0000000548 U	0.000000181 U	0.000000208	NA	µg/L	0.000000208
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	5/5/2022	0.0000000689 U	0.000000257 U	0.000000292	NA	µg/L	0.000000292
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5/5/2022	0.000000193	0.00000224	0.00000243	NA	µg/L	0.00000243
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5/5/2022	0.00000530	0.0000400	0.0000453	NA	µg/L	0.0000453
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5/5/2022	0.0000000585 U	0.000000189 U	0.000000218	NA	µg/L	0.000000218
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5/5/2022	0.0000000507 U	0.000000162 U	0.000000187	NA	µg/L	0.000000187
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	5/5/2022	0.0000000552 U	0.000000211 U	0.000000239	NA	µg/L	0.000000239
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	5/5/2022	0.0000000552 U	0.000000186 U	0.000000214	NA	µg/L	0.000000214
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	5/5/2022	0.00000315	0.0000253	0.0000284	NA	µg/L	0.0000284
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5/5/2022	0.0000000570 U	0.000000173 U	0.000000201	NA	µg/L	0.000000201
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5/5/2022	0.0000000463 U	0.000000153 U	0.000000176	NA	µg/L	0.000000176
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	5/5/2022	0.0000000793	0.000000533	0.000000613	NA	µg/L	0.000000613
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5/5/2022	0.0000000530 U	0.000000169 U	0.000000196	NA	µg/L	0.000000196
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	5/5/2022	0.0000000974 U	0.000000426 U	0.000000475	NA	µg/L	0.000000475
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5/5/2022	0.0000000611 U	0.000000214 U	0.000000245	NA	µg/L	0.000000245
AAM131	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5/5/2022	0.00000368	0.0000141	0.0000178	NA	µg/L	0.0000178
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5/5/2022	0.0000300	0.0000848	0.000115	NA	µg/L	0.000115
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5/5/2022	0.00000131	0.00000441	0.00000572	NA	µg/L	0.00000572
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5/5/2022	0.000000807	0.00000266	0.00000347	NA	µg/L	0.00000347
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5/5/2022	0.000000311 J	0.00000122	0.00000153	NA	µg/L	0.00000153
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5/5/2022	0.00000533	0.0000128	0.0000181	NA	µg/L	0.0000181
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5/5/2022	0.0000000789 U	0.000000304	0.000000344	NA	µg/L	0.000000344
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5/5/2022	0.000000290	0.000000822	0.00000111	NA	µg/L	0.00000111
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5/5/2022	0.000000106 U	0.00000167	0.00000172	NA	µg/L	0.00000172
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5/5/2022	0.00000167	0.00000585	0.00000752	NA	µg/L	0.00000752
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5/5/2022	0.000000515 J	0.00000207	0.00000258	NA	µg/L	0.00000258
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5/5/2022	0.00000515	0.00000190	0.00000705	NA	µg/L	0.00000705
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5/5/2022	0.000000622	0.00000160	0.00000222	NA	µg/L	0.00000222
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5/5/2022	0.00000504	0.0000157	0.0000208	NA	µg/L	0.0000208

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5/5/2022	0.0000000358 U	0.0000000122 U	0.000000030	NA	µg/L	0.0000000301
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5/5/2022	0.000000856	0.00000270	0.00000356	NA	µg/L	0.00000356
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	5/5/2022	0.0000000974 U	0.000000243	0.000000292	NA	µg/L	0.000000292
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	5/5/2022	0.000000183	0.000000111 U	0.000000238	NA	µg/L	0.000000238
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5/5/2022	0.000000106 U	0.000000563	0.000000616	NA	µg/L	0.000000616
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5/5/2022	0.000000279	0.000000922	0.00000120	NA	µg/L	0.00000120
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5/5/2022	0.000000415 J	0.00000180	0.00000221	NA	µg/L	0.00000221
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	5/5/2022	0.00000141	0.00000563	0.00000704	NA	µg/L	0.00000704
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5/5/2022	0.000000116 U	0.000000252	0.000000310	NA	µg/L	0.000000310
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5/5/2022	0.000000511	0.000000767	0.00000128	NA	µg/L	0.00000128
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	5/5/2022	0.0000000933 U	0.000000238 J	0.000000284	NA	µg/L	0.000000284
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5/5/2022	0.00000129	0.00000407	0.00000537	NA	µg/L	0.00000537
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5/5/2022	0.000000102 U	0.000000119 U	0.000000170	NA	µg/L	0.000000170
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5/5/2022	0.0000000578 U	0.0000000511 U	0.000000080	NA	µg/L	0.0000000800
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	5/5/2022	0.000000286	0.00000187	0.00000216	NA	µg/L	0.00000216
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5/5/2022	0.0000000904 U	0.000000407	0.000000453	NA	µg/L	0.000000453
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5/5/2022	0.000000105 U	0.000000114	0.000000166	NA	µg/L	0.000000166
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	5/5/2022	0.000000100 U	0.000000118 U	0.000000168	NA	µg/L	0.000000168
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	5/5/2022	0.000000104 U	0.000000125 U	0.000000177	NA	µg/L	0.000000177
AAM131	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5/5/2022	0.00000937	0.000208	0.000218	NA	µg/L	0.000218
AAM131	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	5/5/2022	0.0000299	0.000314	0.000344	NA	µg/L	0.000344
AAM131	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5/5/2022	0.0000478	0.000257	0.000305	NA	µg/L	0.000305
AAM131	PCBs (as congeners)	Trichlorobiphenyl	E1668	5/5/2022	0.0000194	0.0000400	0.0000594	NA	µg/L	0.0000594
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5/5/2022	0.00000123	0.00000126	0.00000249	NA	µg/L	0.00000249
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5/5/2022	0.00000122	0.00000120	0.00000242	NA	µg/L	0.00000242
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	5/5/2022	0.00000211	0.00000215	0.00000426	NA	µg/L	0.00000426
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5/5/2022	0.000000407	0.000000255	0.000000663	NA	µg/L	0.000000663
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5/5/2022	0.00000278	0.00000696	0.00000974	NA	µg/L	0.00000974
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5/5/2022	0.00000116	0.00000257	0.00000372	NA	µg/L	0.00000372
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5/5/2022	0.00000206	0.00000448	0.00000654	NA	µg/L	0.00000654
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5/5/2022	0.000000249	0.000000544	0.000000794	NA	µg/L	0.000000794
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5/5/2022	0.0000000696 U	0.0000000381 U	0.000000073	NA	µg/L	0.0000000730
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5/5/2022	0.0000000704 U	0.0000000381 U	0.000000073	NA	µg/L	0.0000000733
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5/5/2022	0.000000667	0.00000149	0.00000216	NA	µg/L	0.00000216
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	5/5/2022	0.0000000537 J	0.0000000581 J	0.000000112	NA	µg/L	0.000000112
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	5/5/2022	0.000000171 J	0.000000210	0.000000381	NA	µg/L	0.000000381
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5/5/2022	0.00000261	0.00000619	0.00000880	NA	µg/L	0.00000880
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	5/5/2022	0.000000604	0.000000733	0.00000134	NA	µg/L	0.00000134
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5/5/2022	0.00000255	0.00000752	0.0000101	NA	µg/L	0.0000101
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5/5/2022	0.000000589	0.00000180	0.00000239	NA	µg/L	0.00000239
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5/5/2022	0.000000889	0.00000248	0.00000337	NA	µg/L	0.00000337
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5/5/2022	0.0000000630 U	0.0000000343 U	0.000000066	NA	µg/L	0.0000000658
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5/5/2022	0.0000000641 U	0.0000000352 U	0.000000067	NA	µg/L	0.0000000673
AAM131	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00024 J	0.00106 J	0.00130	6.4	pg/L	1,296
AAM131	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	10/21/2022	0.000000486	0.000000442	0.000000928	NA	µg/L	0.000000928
AAM131	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	10/21/2022	0.00000424	0.0000125	0.0000167	NA	µg/L	0.0000167
AAM131	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	10/21/2022	0.0000000737 U	0.00000243	0.00000246	NA	µg/L	0.00000246
AAM131	PCBs (as congeners)	Dichlorobiphenyl	E1668	10/21/2022	0.0000829	0.0000969 J	0.000180	NA	µg/L	0.000180
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10/21/2022	0.0000117	0.00000700	0.0000187	NA	µg/L	0.0000187

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10/21/2022	0.00000348	0.00000405	0.00000753	NA	µg/L	0.00000753
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10/21/2022	0.0000108	0.0000161	0.0000269	NA	µg/L	0.0000269
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10/21/2022	0.00000111	0.00000130 J	0.00000241	NA	µg/L	0.00000241
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	10/21/2022	0.000000541	0.000000324	0.000000865	NA	µg/L	0.000000865
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10/21/2022	0.000000221 U	0.00000222 J	0.00000233	NA	µg/L	0.00000233
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10/21/2022	0.00000256	0.0000626	0.0000652	NA	µg/L	0.0000652
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	10/21/2022	0.000000586 J	0.0000148	0.0000154	NA	µg/L	0.0000154
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	10/21/2022	0.000000343	0.0000000737 U	0.000000380	NA	µg/L	0.000000380
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10/21/2022	0.00000209	0.0000453	0.0000474	NA	µg/L	0.0000474
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	10/21/2022	0.00000121	0.0000259	0.0000271	NA	µg/L	0.0000271
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	10/21/2022	0.0000000737 U	0.00000201	0.00000205	NA	µg/L	0.00000205
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	10/21/2022	0.0000000737 UJ	0.00000567	0.00000571	NA	µg/L	0.00000571
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	10/21/2022	0.0000000737 U	0.00000792	0.00000796	NA	µg/L	0.00000796
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10/21/2022	0.0000000737 UJ	0.0000148	0.0000148	NA	µg/L	0.0000148
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10/21/2022	0.00000464	0.000101	0.000106	NA	µg/L	0.000106
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	10/21/2022	0.00000119	0.0000217	0.0000228	NA	µg/L	0.0000228
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	10/21/2022	0.0000000737 UJ	0.00000840	0.00000843	NA	µg/L	0.00000843
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10/21/2022	0.00000236	0.0000457	0.0000480	NA	µg/L	0.0000480
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000796	0.000000116	NA	µg/L	0.000000116
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000737 U	0.00000229	0.00000232	NA	µg/L	0.00000232
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10/21/2022	0.000000516 J	0.00000659 J	0.00000711	NA	µg/L	0.00000711
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10/21/2022	0.000000147 U	0.0000159	0.0000160	NA	µg/L	0.0000160
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10/21/2022	0.0000000737 UJ	0.00000645	0.00000648	NA	µg/L	0.00000648
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10/21/2022	0.000000221 U	0.000129	0.000129	NA	µg/L	0.000129
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	10/21/2022	0.0000000737 U	0.0000357	0.0000357	NA	µg/L	0.0000357
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10/21/2022	0.0000000737 U	0.000000729 J	0.000000766	NA	µg/L	0.000000766
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10/21/2022	0.000000147 U	0.0000309	0.0000309	NA	µg/L	0.0000309
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10/21/2022	0.0000000737 U	0.00000552	0.00000556	NA	µg/L	0.00000556
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000123	0.0000124	NA	µg/L	0.0000124
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10/21/2022	0.0000000737 UJ	0.00000199	0.00000203	NA	µg/L	0.00000203
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	10/21/2022	0.000000147 U	0.00000105	0.00000112	NA	µg/L	0.00000112
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10/21/2022	0.0000000737 U	0.0000270	0.0000270	NA	µg/L	0.0000270
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10/21/2022	0.0000000737 U	0.0000126	0.0000126	NA	µg/L	0.0000126
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10/21/2022	0.0000000737 U	0.000000961	0.000000998	NA	µg/L	0.000000998
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10/21/2022	0.0000000737 UJ	0.00000523	0.00000527	NA	µg/L	0.00000527
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000545 J	0.000000091	NA	µg/L	0.0000000913
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	10/21/2022	0.000000147 U	0.0000781	0.0000782	NA	µg/L	0.0000782
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	10/21/2022	0.000000147 U	0.0000987	0.0000988	NA	µg/L	0.0000988

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10/21/2022	0.0000000737	U	0.00000113	J	0.00000116	NA	µg/L	0.00000116
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	10/21/2022	0.000000700	J	0.0000132		0.0000139	NA	µg/L	0.0000139
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000737	U	0.0000122		0.0000123	NA	µg/L	0.0000123
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000737	U	0.00000133		0.00000137	NA	µg/L	0.00000137
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10/21/2022	0.0000000737	U	0.000000729	J	0.000000766	NA	µg/L	0.000000766
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.000000674		0.00000899		0.00000966	NA	µg/L	0.00000966
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Monochlorobiphenyl	E1668	10/21/2022	0.00000387		0.00000431		0.00000818	NA	µg/L	0.00000818
AAM131	PCBs (as congeners)	Nonachlorobiphenyl	E1668	10/21/2022	0.0000000737	U	0.0000130		0.0000130	NA	µg/L	0.0000130
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000737	U	0.00000976		0.00000980	NA	µg/L	0.00000980
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	10/21/2022	0.0000000737	U	0.000000928		0.000000965	NA	µg/L	0.000000965
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10/21/2022	0.0000000737	U	0.00000230		0.00000234	NA	µg/L	0.00000234
AAM131	PCBs (as congeners)	Octachlorobiphenyl	E1668	10/21/2022	0.00000360	J	0.0000855	J	0.0000891	NA	µg/L	0.0000891
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.000000777		0.0000233		0.0000241	NA	µg/L	0.0000241
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10/21/2022	0.000000549		0.0000105		0.0000110	NA	µg/L	0.0000110
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.000000390	J	0.00000913		0.00000952	NA	µg/L	0.00000952
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000737	U	0.000000843		0.000000880	NA	µg/L	0.000000880
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	10/21/2022	0.000000932		0.0000193		0.0000202	NA	µg/L	0.0000202
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10/21/2022	0.0000000737	U	0.00000255		0.00000259	NA	µg/L	0.00000259
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10/21/2022	0.0000000737	U	0.00000291		0.00000295	NA	µg/L	0.00000295
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	10/21/2022	0.0000000737	U	0.00000379		0.00000383	NA	µg/L	0.00000383
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10/21/2022	0.000000740		0.0000124		0.0000132	NA	µg/L	0.0000132
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000737	U	0.000000807	J	0.000000843	NA	µg/L	0.000000843
AAM131	PCBs (as congeners)	PCB-167	E1668	10/21/2022	0.000000283		0.00000490		0.00000518	NA	µg/L	0.00000518
AAM131	PCBs (as congeners)	PCB-82	E1668	10/21/2022	0.0000000737	U	0.00000519		0.00000523	NA	µg/L	0.00000523
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10/21/2022	0.0000000737	UJ	0.00000224	J	0.00000228	NA	µg/L	0.00000228
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	10/21/2022	0.000000221	U	0.00000457		0.00000468	NA	µg/L	0.00000468
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	10/21/2022	0.0000163	J	0.0000545	J	0.0000708	NA	µg/L	0.0000708
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	10/21/2022	0.000000221	U	0.0000424		0.0000425	NA	µg/L	0.0000425
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000737	U	0.00000715		0.00000718	NA	µg/L	0.00000718
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	10/21/2022	0.000000221	U	0.000000221	U	0.000000331	NA	µg/L	0.000000331
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	10/21/2022	0.0000000737	U	0.0000359		0.0000360	NA	µg/L	0.0000360
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	UJ	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10/21/2022	0.0000000737	U	0.0000169		0.0000169	NA	µg/L	0.0000169
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10/21/2022	0.000000147	U	0.00000193		0.00000201	NA	µg/L	0.00000201
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	10/21/2022	0.0000000737	U	0.000000552		0.000000589	NA	µg/L	0.000000589

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10/21/2022	0.0000000737	U	0.00000256		0.00000259	NA	µg/L	0.00000259
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	10/21/2022	0.0000000737	U	0.0000475		0.0000476	NA	µg/L	0.0000476
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000737	U	0.000000821		0.000000858	NA	µg/L	0.000000858
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000737	U	0.000000877		0.000000913	NA	µg/L	0.000000913
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10/21/2022	0.0000000737	U	0.000000851		0.000000888	NA	µg/L	0.000000888
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10/21/2022	0.0000000737	U	0.0000390		0.0000391	NA	µg/L	0.0000391
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000737	U	0.00000586		0.00000589	NA	µg/L	0.00000589
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10/21/2022	0.0000000737	U	0.000000611		0.000000648	NA	µg/L	0.000000648
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10/21/2022	0.0000000737	U	0.000000807	J	0.000000843	NA	µg/L	0.000000843
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	10/21/2022	0.000000295	U	0.0000207		0.0000209	NA	µg/L	0.0000209
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10/21/2022	0.0000692	J	0.000113	J	0.000183	NA	µg/L	0.000183
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10/21/2022	0.000000221	U	0.00000604		0.00000615	NA	µg/L	0.00000615
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10/21/2022	0.0000000737	U	0.00000182		0.00000185	NA	µg/L	0.00000185
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10/21/2022	0.000000221	U	0.000000221	U	0.000000331	NA	µg/L	0.000000331
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10/21/2022	0.0000000737	UJ	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	10/21/2022	0.0000000737	U	0.00000125		0.00000129	NA	µg/L	0.00000129
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	10/21/2022	0.0000000737	U	0.00000345		0.00000348	NA	µg/L	0.00000348
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10/21/2022	0.000000221	U	0.000000221	U	0.000000331	NA	µg/L	0.000000331
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10/21/2022	0.00000884		0.0000000737	U	0.00000888	NA	µg/L	0.00000888
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10/21/2022	0.000000221	U	0.000000221	U	0.000000331	NA	µg/L	0.000000331
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	UJ	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10/21/2022	0.0000000737	U	0.00000567		0.00000571	NA	µg/L	0.00000571
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10/21/2022	0.000000221	U	0.00000129		0.00000140	NA	µg/L	0.00000140
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	10/21/2022	0.0000000737	U	0.00000326		0.00000329	NA	µg/L	0.00000329
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10/21/2022	0.0000000737	U	0.00000928		0.00000932	NA	µg/L	0.00000932
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	10/21/2022	0.0000000737	U	0.000000390		0.000000427	NA	µg/L	0.000000427
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	10/21/2022	0.0000000737	UJ	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10/21/2022	0.0000000737	U	0.000000442		0.000000479	NA	µg/L	0.000000479
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10/21/2022	0.0000000737	U	0.00000645		0.00000648	NA	µg/L	0.00000648
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	10/21/2022	0.000000681		0.00000350		0.00000418	NA	µg/L	0.00000418
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10/21/2022	0.0000000737	U	0.000000323		0.000000360	NA	µg/L	0.000000360
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	10/21/2022	0.0000000737	U	0.0000000737	U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000174	J	0.000365	J	0.000382	NA	µg/L	0.000382
AAM131	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	10/21/2022	0.0000479	J	0.000505	J	0.000552	NA	µg/L	0.000552
AAM131	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000840	J	0.000298	J	0.000382	NA	µg/L	0.000382
AAM131	PCBs (as congeners)	Trichlorobiphenyl	E1668	10/21/2022	0.0000582	J	0.000134	J	0.000192	NA	µg/L	0.000192
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	10/21/2022	0.00000564		0.00000810		0.0000137	NA	µg/L	0.0000137
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10/21/2022	0.0000000737	U	0.00000855		0.00000858	NA	µg/L	0.00000858

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	10/21/2022	0.00000947	0.0000143	0.0000238	NA	µg/L	0.0000238
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10/21/2022	0.00000222	0.0000000737 U	0.00000226	NA	µg/L	0.00000226
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10/21/2022	0.000000221 U	0.0000259	0.0000260	NA	µg/L	0.0000260
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	10/21/2022	0.0000000737 U	0.00000906	0.00000910	NA	µg/L	0.00000910
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10/21/2022	0.000000221 U	0.0000154	0.0000155	NA	µg/L	0.0000155
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	10/21/2022	0.0000000737 UJ	0.00000175 J	0.00000179	NA	µg/L	0.00000179
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.000000221 U	0.00000501	0.00000512	NA	µg/L	0.00000512
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10/21/2022	0.0000000737 U	0.000000318	0.000000355	NA	µg/L	0.000000355
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10/21/2022	0.0000000737 U	0.00000143	0.00000147	NA	µg/L	0.00000147
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	10/21/2022	0.0000000737 U	0.0000211	0.0000211	NA	µg/L	0.0000211
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	10/21/2022	0.0000000737 U	0.00000490	0.00000494	NA	µg/L	0.00000494
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10/21/2022	0.0000000737 U	0.00000323	0.00000327	NA	µg/L	0.00000327
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	10/21/2022	0.0000000737 U	0.000000891	0.000000928	NA	µg/L	0.000000928
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10/21/2022	0.0000000737 U	0.0000120	0.0000120	NA	µg/L	0.0000120
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10/21/2022	0.0000000737 U	0.0000000737 U	0.000000110	NA	µg/L	0.000000110
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10/21/2022	0.0000000737 U	0.000000127 J	0.000000164	NA	µg/L	0.000000164
AAM131	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00010 J	0.00148 J	0.00159	6.4	pg/L	1,587
AAM131	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	3/9/2023	0.0000000210 U	0.0000000160 U	0.000000027	NA	µg/L	0.0000000266
AAM131	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	3/9/2023	0.000000148	0.0000000649 J	0.000000213	NA	µg/L	0.000000213
AAM131	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	3/9/2023	0.000000142	0.000000719	0.000000861	NA	µg/L	0.000000861
AAM131	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3/9/2023	0.0000000601 J	0.000000115	0.000000175	NA	µg/L	0.000000175
AAM131	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3/9/2023	0.000000123	0.000000103	0.000000226	NA	µg/L	0.000000226
AAM131	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3/9/2023	0.0000000168 U	0.00000124	0.00000125	NA	µg/L	0.00000125
AAM131	PCBs (as congeners)	Dichlorobiphenyl	E1668	3/9/2023	0.00000514	0.0000505	0.0000557	NA	µg/L	0.0000557
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	3/9/2023	0.000000793	0.000000254	0.00000105	NA	µg/L	0.00000105
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3/9/2023	0.000000109	0.000000155	0.000000264	NA	µg/L	0.000000264
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3/9/2023	0.000000545	0.000000584	0.00000113	NA	µg/L	0.00000113
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3/9/2023	0.0000000390 J	0.0000000488 J	0.000000088	NA	µg/L	0.0000000878
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3/9/2023	0.0000000402 J	0.0000000575 J	0.000000098	NA	µg/L	0.0000000977
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3/9/2023	0.0000000197 J	0.0000000153 U	0.000000027	NA	µg/L	0.0000000274
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3/9/2023	0.00000338	0.0000484	0.0000517	NA	µg/L	0.0000517
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3/9/2023	0.0000000850 J	0.000000394	0.000000479	NA	µg/L	0.000000479
AAM131	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3/9/2023	0.0000000203 U	0.0000000155 U	0.000000026	NA	µg/L	0.0000000256
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	3/9/2023	0.0000000316 U	0.0000207	0.0000207	NA	µg/L	0.0000207
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3/9/2023	0.0000000304 U	0.00000706	0.00000707	NA	µg/L	0.00000707
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3/9/2023	0.0000000283 U	0.00000328	0.00000329	NA	µg/L	0.00000329
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3/9/2023	0.0000000260 U	0.0000208	0.0000208	NA	µg/L	0.0000208
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3/9/2023	0.0000000269 U	0.0000113	0.0000113	NA	µg/L	0.0000113
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3/9/2023	0.0000000289 U	0.000000946	0.000000960	NA	µg/L	0.000000960
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3/9/2023	0.0000000132 U	0.00000188	0.00000188	NA	µg/L	0.00000188
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3/9/2023	0.0000000167 U	0.00000238	0.00000239	NA	µg/L	0.00000239
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3/9/2023	0.0000000116 U	0.00000458	0.00000458	NA	µg/L	0.00000458
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3/9/2023	0.0000000246 U	0.0000379	0.0000379	NA	µg/L	0.0000379
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3/9/2023	0.0000000243 U	0.0000000819 U	0.000000094	NA	µg/L	0.0000000941
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3/9/2023	0.0000000257 U	0.0000000871 U	0.00000010	NA	µg/L	0.00000010
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3/9/2023	0.0000000471 J	0.0000144	0.0000144	NA	µg/L	0.0000144
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3/9/2023	0.0000000125 U	0.00000000880 U	0.000000015	NA	µg/L	0.0000000151
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	3/9/2023	0.0000000303 U	0.000000102 U	0.000000118	NA	µg/L	0.000000118
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3/9/2023	0.0000000235 UJ	0.0000204	0.0000204	NA	µg/L	0.0000204
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3/9/2023	0.0000000110 U	0.00000000776 U	0.000000013	NA	µg/L	0.0000000133

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3/9/2023	0.0000000135 U	0.0000000373 J	0.000000044	NA	µg/L	0.0000000441
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000365 U	0.00000117	0.00000119	NA	µg/L	0.00000119
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3/9/2023	0.0000000234 U	0.00000358	0.00000359	NA	µg/L	0.00000359
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	3/9/2023	0.0000000229 U	0.000000885	0.000000896	NA	µg/L	0.000000896
AAM131	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3/9/2023	0.0000000201 U	0.0000000680 U	0.000000078	NA	µg/L	0.0000000780
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	3/9/2023	0.0000000431 U	0.00000802	0.00000804	NA	µg/L	0.00000804
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3/9/2023	0.0000000195 U	0.00000257	0.00000258	NA	µg/L	0.00000258
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3/9/2023	0.0000000160 U	0.0000436	0.0000436	NA	µg/L	0.0000436
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3/9/2023	0.0000000171 U	0.0000147	0.0000147	NA	µg/L	0.0000147
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	3/9/2023	0.0000000177 U	0.000000497	0.000000506	NA	µg/L	0.000000506
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3/9/2023	0.0000000157 U	0.000000484	0.000000492	NA	µg/L	0.000000492
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3/9/2023	0.0000000165 U	0.0000147	0.0000147	NA	µg/L	0.0000147
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3/9/2023	0.0000000209 U	0.00000243	0.00000244	NA	µg/L	0.00000244
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3/9/2023	0.0000000754 J	0.00000420 J	0.00000427	NA	µg/L	0.00000427
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	3/9/2023	0.0000000176 U	0.000000723 J	0.000000732	NA	µg/L	0.000000732
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3/9/2023	0.0000000160 U	0.000000471	0.000000479	NA	µg/L	0.000000479
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3/9/2023	0.0000000858 J	0.0000104	0.0000105	NA	µg/L	0.0000105
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3/9/2023	0.0000000427 J	0.00000510	0.00000514	NA	µg/L	0.00000514
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3/9/2023	0.0000000161 U	0.0000000112 U	0.000000019	NA	µg/L	0.0000000192
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	3/9/2023	0.0000000178 U	0.0000000123 U	0.000000021	NA	µg/L	0.0000000212
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3/9/2023	0.0000000166 U	0.00000253	0.00000254	NA	µg/L	0.00000254
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3/9/2023	0.0000000163 U	0.0000000113 U	0.000000019	NA	µg/L	0.0000000195
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3/9/2023	0.000000398	0.0000333	0.0000337	NA	µg/L	0.0000337
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3/9/2023	0.0000000128 U	0.00000000540 U	0.000000012	NA	µg/L	0.0000000118
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3/9/2023	0.0000000139 U	0.0000000492 J	0.000000056	NA	µg/L	0.0000000562
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3/9/2023	0.0000000120 U	0.00000000505 U	0.000000011	NA	µg/L	0.0000000110
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3/9/2023	0.000000278	0.0000337	0.0000340	NA	µg/L	0.0000340
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3/9/2023	0.0000000156 U	0.000000386	0.000000393	NA	µg/L	0.000000393
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3/9/2023	0.0000000133 U	0.00000000562 U	0.000000012	NA	µg/L	0.0000000123
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	3/9/2023	0.0000000545 U	0.00000606	0.00000608	NA	µg/L	0.00000608
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3/9/2023	0.0000000124 UJ	0.00000449	0.00000449	NA	µg/L	0.00000449
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	3/9/2023	0.0000000329 U	0.000000741	0.000000757	NA	µg/L	0.000000757
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	3/9/2023	0.0000000386 U	0.000000323 U	0.000000343	NA	µg/L	0.000000343
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3/9/2023	0.0000000139 U	0.00000000963 U	0.000000017	NA	µg/L	0.0000000166
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3/9/2023	0.0000000119 U	0.00000000819 U	0.000000014	NA	µg/L	0.0000000141
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	3/9/2023	0.0000000121 U	0.00000333	0.00000334	NA	µg/L	0.00000334
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3/9/2023	0.0000000138 U	0.00000000954 U	0.000000016	NA	µg/L	0.0000000164
AAM131	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	3/9/2023	0.000000105 U	0.000000580 U	0.000000632	NA	µg/L	0.000000632
AAM131	PCBs (as congeners)	Monochlorobiphenyl	E1668	3/9/2023	0.000000331 J	0.000000283	0.000000614	NA	µg/L	0.000000614
AAM131	PCBs (as congeners)	Nonachlorobiphenyl	E1668	3/9/2023	0.0000000636 U	0.00000710	0.00000713	NA	µg/L	0.00000713
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000806 U	0.00000514	0.00000518	NA	µg/L	0.00000518
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	3/9/2023	0.0000000429 U	0.000000497	0.000000518	NA	µg/L	0.000000518
AAM131	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	3/9/2023	0.0000000462 U	0.00000148	0.00000150	NA	µg/L	0.00000150
AAM131	PCBs (as congeners)	Octachlorobiphenyl	E1668	3/9/2023	0.0000000497 U	0.0000274	0.0000274	NA	µg/L	0.0000274
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000658 U	0.00000802	0.00000805	NA	µg/L	0.00000805
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3/9/2023	0.0000000436 U	0.00000296	0.00000298	NA	µg/L	0.00000298
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	3/9/2023	0.0000000693 U	0.00000314	0.00000317	NA	µg/L	0.00000317
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	3/9/2023	0.0000000337 U	0.0000000112 U	0.000000028	NA	µg/L	0.0000000281
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3/9/2023	0.0000000399 U	0.00000566	0.00000568	NA	µg/L	0.00000568
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	3/9/2023	0.0000000346 U	0.00000111	0.00000112	NA	µg/L	0.00000112
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	3/9/2023	0.0000000366 U	0.00000101	0.00000102	NA	µg/L	0.00000102
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	3/9/2023	0.0000000360 U	0.00000162	0.00000164	NA	µg/L	0.00000164

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	3/9/2023	0.0000000356 U	0.00000334	0.00000336	NA	µg/L	0.00000336
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	3/9/2023	0.0000000319 U	0.0000000106 U	0.000000027	NA	µg/L	0.0000000266
AAM131	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000627 U	0.000000497	0.000000528	NA	µg/L	0.000000528
AAM131	PCBs (as congeners)	PCB-167	E1668	3/9/2023	0.0000000409 U	0.00000245	0.00000247	NA	µg/L	0.00000247
AAM131	PCBs (as congeners)	PCB-82	E1668	3/9/2023	0.0000000636 J	0.00000220	0.00000227	NA	µg/L	0.00000227
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3/9/2023	0.0000000189 U	0.00000104	0.00000105	NA	µg/L	0.00000105
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3/9/2023	0.000000208	0.00000553	0.00000574	NA	µg/L	0.00000574
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3/9/2023	0.0000000154 U	0.00000220	0.00000221	NA	µg/L	0.00000221
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3/9/2023	0.000000466 J	0.0000149	0.0000154	NA	µg/L	0.0000154
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3/9/2023	0.000000789	0.0000219	0.0000227	NA	µg/L	0.0000227
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3/9/2023	0.0000000161 U	0.000000178	0.000000186	NA	µg/L	0.000000186
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3/9/2023	0.0000000200 U	0.00000280	0.00000281	NA	µg/L	0.00000281
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3/9/2023	0.0000000163 U	0.0000000358 U	0.000000044	NA	µg/L	0.0000000440
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3/9/2023	0.000000112	0.0000000333 U	0.000000128	NA	µg/L	0.000000128
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3/9/2023	0.000000145	0.00000396	0.00000410	NA	µg/L	0.00000410
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3/9/2023	0.0000000190 U	0.0000000819 J	0.000000091	NA	µg/L	0.0000000914
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3/9/2023	0.0000000180 U	0.0000000394 U	0.000000048	NA	µg/L	0.0000000484
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3/9/2023	0.000000636	0.0000181	0.0000187	NA	µg/L	0.0000187
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3/9/2023	0.00000000675 U	0.0000000610 J	0.000000064	NA	µg/L	0.0000000644
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3/9/2023	0.000000315	0.00000558	0.00000589	NA	µg/L	0.00000589
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3/9/2023	0.0000000229 J	0.000000449	0.000000472	NA	µg/L	0.000000472
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3/9/2023	0.0000000133 J	0.000000104	0.000000117	NA	µg/L	0.000000117
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3/9/2023	0.00000000680 U	0.00000000697 U	0.000000010	NA	µg/L	0.0000000104
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	3/9/2023	0.000000135	0.00000680	0.00000693	NA	µg/L	0.00000693
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	3/9/2023	0.0000000126 U	0.000000732	0.000000738	NA	µg/L	0.000000738
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	3/9/2023	0.0000000114 U	0.0000000251 U	0.000000031	NA	µg/L	0.0000000308
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3/9/2023	0.0000000152 U	0.000000216 J	0.000000223	NA	µg/L	0.000000223
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	3/9/2023	0.0000000178 J	0.000000972	0.000000989	NA	µg/L	0.000000989
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	3/9/2023	0.000000627	0.0000232	0.0000238	NA	µg/L	0.0000238
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	3/9/2023	0.0000000122 U	0.0000000270 U	0.000000033	NA	µg/L	0.0000000331
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	3/9/2023	0.0000000106 U	0.0000000584 J	0.000000064	NA	µg/L	0.0000000637
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3/9/2023	0.0000000137 U	0.000000391	0.000000398	NA	µg/L	0.000000398
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	3/9/2023	0.0000000125 U	0.000000395	0.000000401	NA	µg/L	0.000000401
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3/9/2023	0.000000416	0.0000148	0.0000152	NA	µg/L	0.0000152
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	3/9/2023	0.0000000109 U	0.0000000241 U	0.000000030	NA	µg/L	0.0000000295
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	3/9/2023	0.0000000104 U	0.0000000228 U	0.000000028	NA	µg/L	0.0000000280
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	3/9/2023	0.0000000165 J	0.000000175	0.000000191	NA	µg/L	0.000000191
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	3/9/2023	0.0000000112 U	0.0000000247 U	0.000000030	NA	µg/L	0.0000000303
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	3/9/2023	0.0000000402 U	0.000000207 U	0.000000227	NA	µg/L	0.000000227
AAM131	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	3/9/2023	0.0000000112 U	0.0000000286 U	0.000000034	NA	µg/L	0.0000000342
AAM131	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	3/9/2023	0.00000114	0.00000758	0.00000872	NA	µg/L	0.00000872
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3/9/2023	0.00000553 J	0.0000356 J	0.0000411	NA	µg/L	0.0000411
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	3/9/2023	0.000000308	0.00000173	0.00000203	NA	µg/L	0.00000203
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	3/9/2023	0.000000173	0.00000102	0.00000120	NA	µg/L	0.00000120
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	3/9/2023	0.0000000414 J	0.000000328	0.000000369	NA	µg/L	0.000000369
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	3/9/2023	0.000000932	0.00000462	0.00000555	NA	µg/L	0.00000555
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	3/9/2023	0.0000000277 J	0.000000129	0.000000157	NA	µg/L	0.000000157
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	3/9/2023	0.0000000558 J	0.000000235	0.000000291	NA	µg/L	0.000000291
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	3/9/2023	0.0000000924	0.000000484 J	0.000000576	NA	µg/L	0.000000576
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3/9/2023	0.000000466	0.00000213	0.00000259	NA	µg/L	0.00000259
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	3/9/2023	0.000000155	0.000000688	0.000000844	NA	µg/L	0.000000844
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	3/9/2023	0.0000000954	0.000000297 J	0.000000392	NA	µg/L	0.000000392

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	3/9/2023	0.000000136 J	0.000000497	0.000000633	NA	µg/L	0.000000633
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3/9/2023	0.000000858	0.00000601	0.00000687	NA	µg/L	0.00000687
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3/9/2023	0.0000000160 U	0.00000000937 U	0.000000017	NA	µg/L	0.0000000174
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	3/9/2023	0.000000166 J	0.00000152	0.00000169	NA	µg/L	0.00000169
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	3/9/2023	0.0000000449 U	0.000000107 U	0.000000129	NA	µg/L	0.000000129
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	3/9/2023	0.0000000426 U	0.000000102 U	0.000000123	NA	µg/L	0.000000123
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	3/9/2023	0.0000000479 U	0.000000394	0.000000418	NA	µg/L	0.000000418
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3/9/2023	0.0000000662 J	0.000000372	0.000000438	NA	µg/L	0.000000438
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	3/9/2023	0.0000000932	0.00000111	0.00000120	NA	µg/L	0.00000120
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	3/9/2023	0.000000475	0.00000307	0.00000355	NA	µg/L	0.00000355
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	3/9/2023	0.0000000514 U	0.000000123 U	0.000000149	NA	µg/L	0.000000149
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	3/9/2023	0.0000000492 U	0.000000118 U	0.000000142	NA	µg/L	0.000000142
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	3/9/2023	0.0000000425 U	0.000000102 U	0.000000123	NA	µg/L	0.000000123
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3/9/2023	0.000000246	0.00000190	0.00000214	NA	µg/L	0.00000214
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	3/9/2023	0.0000000462 U	0.000000110 U	0.000000133	NA	µg/L	0.000000133
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3/9/2023	0.0000000171 U	0.0000000201 U	0.000000029	NA	µg/L	0.0000000287
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	3/9/2023	0.0000000588 U	0.00000113	0.00000116	NA	µg/L	0.00000116
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	3/9/2023	0.0000000412 U	0.000000378	0.000000399	NA	µg/L	0.000000399
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	3/9/2023	0.0000000492 U	0.000000118 U	0.000000143	NA	µg/L	0.000000143
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	3/9/2023	0.0000000458 U	0.000000109 U	0.000000132	NA	µg/L	0.000000132
AAM131	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	3/9/2023	0.0000000562 U	0.000000134 U	0.000000162	NA	µg/L	0.000000162
AAM131	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3/9/2023	0.000000317 J	0.000151	0.000152	NA	µg/L	0.000152
AAM131	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	3/9/2023	0.00000155 J	0.000195 J	0.000197	NA	µg/L	0.000197
AAM131	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3/9/2023	0.00000414 J	0.000127 J	0.000131	NA	µg/L	0.000131
AAM131	PCBs (as congeners)	Trichlorobiphenyl	E1668	3/9/2023	0.00000337 J	0.0000164	0.0000198	NA	µg/L	0.0000198
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3/9/2023	0.000000133	0.000000610	0.000000743	NA	µg/L	0.000000743
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3/9/2023	0.000000479	0.000000584	0.00000106	NA	µg/L	0.00000106
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3/9/2023	0.000000369	0.00000102	0.00000138	NA	µg/L	0.00000138
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3/9/2023	0.000000201	0.000000135	0.000000336	NA	µg/L	0.000000336
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3/9/2023	0.000000614	0.00000237	0.00000298	NA	µg/L	0.00000298
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3/9/2023	0.000000138	0.000000885	0.00000102	NA	µg/L	0.00000102
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3/9/2023	0.000000262	0.00000149	0.00000175	NA	µg/L	0.00000175
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3/9/2023	0.0000000784 J	0.000000183	0.000000261	NA	µg/L	0.000000261
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3/9/2023	0.0000000169 U	0.0000000488 U	0.000000057	NA	µg/L	0.0000000573
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3/9/2023	0.0000000172 U	0.0000000497 U	0.000000058	NA	µg/L	0.0000000583
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3/9/2023	0.000000117 J	0.000000475	0.000000592	NA	µg/L	0.000000592
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3/9/2023	0.0000000131 J	0.0000000190 J	0.000000032	NA	µg/L	0.0000000321
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3/9/2023	0.000000104	0.000000108	0.000000212	NA	µg/L	0.000000212
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3/9/2023	0.000000444	0.00000190	0.00000234	NA	µg/L	0.00000234
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3/9/2023	0.000000261 J	0.000000389	0.000000649	NA	µg/L	0.000000649
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3/9/2023	0.0000000168 U	0.00000328	0.00000329	NA	µg/L	0.00000329
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3/9/2023	0.0000000142 U	0.00000189	0.00000190	NA	µg/L	0.00000190
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3/9/2023	0.000000118	0.00000110	0.00000122	NA	µg/L	0.00000122
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3/9/2023	0.0000000157 U	0.0000000453 U	0.000000053	NA	µg/L	0.0000000532
AAM131	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3/9/2023	0.0000000156 U	0.0000000449 U	0.000000053	NA	µg/L	0.0000000527
AAM131	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00002 J	0.00061 J	0.00064	6.4	pg/L	635
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000102 U	0.000000186	0.000000191	NA	µg/L	0.000000191
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000104 U	0.0000000708 J	0.000000123	NA	µg/L	0.000000123
AAM107	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000275 R	0.0000000155 J	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000111 U	0.000000194	0.000000200	NA	µg/L	0.000000200
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.00000000862 J	0.000000315	0.000000324	NA	µg/L	0.000000324
AAM131	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000510 U	0.000000190	0.000000193	NA	µg/L	0.000000193

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000112 U	0.000000104	0.000000109	NA	µg/L	0.000000109
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000154 J	0.0000000583 J	0.000000074	NA	µg/L	0.0000000737
AAM169	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000771 U	0.0000000462 J	0.000000050	NA	µg/L	0.0000000501
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000726 U	0.0000000256 J	0.000000029	NA	µg/L	0.0000000293
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000105 U	0.000000162	0.000000215	NA	µg/L	0.000000215
AAP957	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000196 U	0.0000000263 J	0.000000036	NA	µg/L	0.0000000361
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000586 U	0.000000243	0.000000246	NA	µg/L	0.000000246
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000169 J	0.000000135	0.000000151	NA	µg/L	0.000000151
AAQ005	PCDD/PCDFs	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000169 U	0.000000145	0.000000153	NA	µg/L	0.000000153
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000618 U	0.0000000131 U	0.000000016	NA	µg/L	0.0000000162
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000104 U	0.000000104 U	0.000000155	NA	µg/L	0.000000155
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000263 R	0.0000000112 J	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000952 U	0.00000000448 U	0.00000000924	NA	µg/L	0.00000000924
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.00000000987 J	0.0000000921 U	0.000000056	NA	µg/L	0.0000000559
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000619 U	0.0000000168 U	0.000000020	NA	µg/L	0.0000000199
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000608 U	0.00000000644 U	0.00000000948	NA	µg/L	0.00000000948
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000998 U	0.0000000998 U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000717 U	0.00000000871 U	0.000000012	NA	µg/L	0.0000000123
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000689 U	0.00000000585 U	0.00000000930	NA	µg/L	0.00000000930
AAM131	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	5/5/2022	0.0000000215 J	0.000000197 J	0.000000219	NA	µg/L	0.000000219
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000105 U	0.000000105 U	0.000000157	NA	µg/L	0.000000157
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000147 U	0.00000000807 U	0.000000015	NA	µg/L	0.0000000154
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000415 U	0.00000000470 U	0.00000000678	NA	µg/L	0.00000000678
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000992 U	0.0000000992 U	0.000000149	NA	µg/L	0.000000149
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000152 U	0.0000000289 U	0.000000036	NA	µg/L	0.0000000365
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000110 U	0.000000162	0.000000167	NA	µg/L	0.000000167
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000104 U	0.0000000555 J	0.000000107	NA	µg/L	0.000000107
AAM107	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000242 R	0.00000000647 UJ	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000113 U	0.000000163	0.000000169	NA	µg/L	0.000000169
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000123 J	0.000000206	0.000000218	NA	µg/L	0.000000218
AAM131	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000497 U	0.000000151	0.000000153	NA	µg/L	0.000000153
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000118 U	0.0000000773 J	0.000000083	NA	µg/L	0.0000000833
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000120 J	0.0000000419 J	0.000000054	NA	µg/L	0.0000000539
AAM169	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000000753 U	0.00000000771 U	0.000000011	NA	µg/L	0.0000000115
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000730 U	0.0000000190 J	0.000000023	NA	µg/L	0.0000000226
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000192 J	0.000000104 J	0.000000123	NA	µg/L	0.000000123
AAP957	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000199 U	0.00000000603 U	0.000000016	NA	µg/L	0.0000000160
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000583 U	0.000000202	0.000000205	NA	µg/L	0.000000205
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000992 U	0.0000000813 J	0.000000131	NA	µg/L	0.000000131
AAQ005	PCDD/PCDFs	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000187 U	0.0000000847 J	0.000000094	NA	µg/L	0.0000000941
AAM107	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000733 U	0.00000000689 U	0.000000011	NA	µg/L	0.0000000106
AAM107	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000104 U	0.000000104 U	0.000000155	NA	µg/L	0.000000155
AAM107	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000261 R	0.00000000585 U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000833 U	0.0000000197 J	0.000000024	NA	µg/L	0.0000000239
AAM131	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000921 U	0.0000000435 J	0.000000090	NA	µg/L	0.0000000895
AAM131	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10/21/2022	0.0000000862 J	0.000000394 J	0.000000480	NA	µg/L	0.000000480
AAM131	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000754 U	0.00000000867 J	0.000000012	NA	µg/L	0.0000000124
AAM169	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000550 U	0.00000000913 U	0.000000012	NA	µg/L	0.0000000119
AAM169	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000998 U	0.0000000998 U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000695 U	0.00000000824 U	0.000000012	NA	µg/L	0.0000000117
AAP957	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000807 U	0.00000000489 U	0.00000000893	NA	µg/L	0.00000000893
AAP957	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000105 U	0.0000000203 J	0.000000073	NA	µg/L	0.0000000727

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000189	U	0.00000000880	U	0.000000018	NA	µg/L	0.0000000183
AAQ005	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000528	U	0.0000000231	J	0.000000026	NA	µg/L	0.0000000257
AAQ005	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000992	U	0.0000000167	J	0.000000066	NA	µg/L	0.0000000663
AAQ005	PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000150	U	0.0000000215	U	0.000000029	NA	µg/L	0.0000000290
AAM107	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000600	U	0.0000000836	J	0.000000087	NA	µg/L	0.0000000866
AAM107	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000104	U	0.0000000326	J	0.000000084	NA	µg/L	0.0000000844
AAM107	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000203	R	0.0000000103	J	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000881	U	0.0000000937		0.000000098	NA	µg/L	0.0000000981
AAM131	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.00000000549	J	0.000000137		0.000000143	NA	µg/L	0.000000143
AAM131	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000433	U	0.0000000793	J	0.000000081	NA	µg/L	0.0000000815
AAM169	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000599	U	0.0000000309	J	0.000000034	NA	µg/L	0.0000000339
AAM169	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000998	U	0.0000000200	J	0.000000070	NA	µg/L	0.0000000699
AAM169	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.00000000627	U	0.0000000157	J	0.000000019	NA	µg/L	0.0000000189
AAP957	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000622	U	0.0000000150	J	0.000000018	NA	µg/L	0.0000000181
AAP957	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000105	U	0.0000000465	J	0.000000099	NA	µg/L	0.0000000990
AAP957	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000149	U	0.0000000123	J	0.000000020	NA	µg/L	0.0000000198
AAQ005	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000419	U	0.0000000892	J	0.000000091	NA	µg/L	0.0000000913
AAQ005	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000992	U	0.0000000409	J	0.000000090	NA	µg/L	0.0000000905
AAQ005	PCDD/PCDFs	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000142	U	0.0000000384	J	0.000000045	NA	µg/L	0.0000000455
AAM131	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	3/9/2023	0.0000000100	U	0.000000180	J	0.000000185	NA	µg/L	0.000000185
AAM169	O/P	2,4'-DDD	E1699M	5/5/2022	0.00000299	U	0.00000573	U	0.00000722	NA	µg/L	0.00000722
AAM169	O/P	P,P'-DDD	E1699M	5/5/2022	0.00000356	U	0.00000877	U	0.0000106	NA	µg/L	0.0000106
AAM169	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000356	U	0.00000877	U	0.0000106	0.031	ng/L	0.0106
AAM169	O/P	O,P'-DDE	E1699M	5/5/2022	0.00000177	U	0.00000346	U	0.00000435	NA	µg/L	0.00000435
AAM169	O/P	P,P'-DDE	E1699M	5/5/2022	0.00000276	J	0.0000139	J	0.0000167	NA	µg/L	0.0000167
AAM169	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000366		0.0000157		0.0000194	0.018	ng/L	0.0194
AAM169	O/P	O,P'-DDT	E1699M	5/5/2022	0.00000663	U	0.0000134	U	0.0000167	NA	µg/L	0.0000167
AAM169	O/P	P,P'-DDT	E1699M	5/5/2022	0.00000696	U	0.0000170	U	0.0000205	NA	µg/L	0.0000205
AAM169	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000696	U	0.0000170	U	0.0000205	0.022	ng/L	0.0205
AAM169	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000137		0.0000382		0.0000519	10	ng/L	0.0519
AAM169	O/P	2,4'-DDD	E1699M	10/21/2022	0.00000329	J	0.00000463	J	0.00000792	NA	µg/L	0.00000792
AAM169	O/P	P,P'-DDD	E1699M	10/21/2022	0.00000447	J	0.0000128		0.0000172	NA	µg/L	0.0000172
AAM169	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000774		0.0000174		0.0000251	0.031	ng/L	0.0251
AAM169	O/P	O,P'-DDE	E1699M	10/21/2022	0.00000399	U	0.00000399	U	0.00000599	NA	µg/L	0.00000599
AAM169	O/P	P,P'-DDE	E1699M	10/21/2022	0.00000399	U	0.00000790	J	0.00000990	NA	µg/L	0.00000990
AAM169	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000399	U	0.00000990		0.0000119	0.018	ng/L	0.0119
AAM169	O/P	O,P'-DDT	E1699M	10/21/2022	0.00000262	J	0.00000790	J	0.0000105	NA	µg/L	0.0000105
AAM169	O/P	P,P'-DDT	E1699M	10/21/2022	0.00000774	J	0.0000293		0.0000371	NA	µg/L	0.0000371
AAM169	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000104		0.0000372		0.0000476	0.022	ng/L	0.0476
AAM169	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000221		0.0000647		0.0000868	10	ng/L	0.0868
AAM169	O/P	2,4'-DDD	E1699	3/9/2023	0.00000487	J	0.00000173	J	0.00000661	NA	µg/L	0.00000661
AAM169	O/P	P,P'-DDD	E1699	3/9/2023	0.00000581	J	0.00000362	J	0.00000943	NA	µg/L	0.00000943
AAM169	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000107		0.00000534		0.0000160	0.031	ng/L	0.0160
AAM169	O/P	O,P'-DDE	E1699	3/9/2023	0.00000358	U	0.00000358	U	0.00000538	NA	µg/L	0.00000538
AAM169	O/P	P,P'-DDE	E1699	3/9/2023	0.00000135	J	0.00000452		0.00000587	NA	µg/L	0.00000587
AAM169	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000315		0.00000631		0.00000946	0.018	ng/L	0.00946
AAM169	O/P	O,P'-DDT	E1699	3/9/2023	0.00000717	U	0.00000193	J	0.00000551	NA	µg/L	0.00000551
AAM169	O/P	P,P'-DDT	E1699	3/9/2023	0.00000659	J	0.00000810		0.0000147	NA	µg/L	0.0000147
AAM169	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000102		0.0000100		0.0000202	0.022	ng/L	0.0202
AAM169	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000240		0.0000217		0.0000457	10	ng/L	0.0457
AAM169	O/P	DIELDRIN	E1699M	5/5/2022	0.0000291		0.0000111	UJ	0.0000346	NA	µg/L	0.0000346
AAM169	O/P	DIELDRIN	E1699M	10/21/2022	0.00000399	U	0.00000399	UJ	0.00000599	NA	µg/L	0.00000599

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	O/P	DIELDRIN	E1699	3/9/2023	0.0000116 J	0.00000260 J	0.0000143	NA	µg/L	0.0000143
AAM169	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	5/5/2022	0.00000570	0.0000000540 U	0.00000572	NA	µg/L	0.00000572
AAM169	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	5/5/2022	0.0000150	0.0000000265 U	0.0000150	NA	µg/L	0.0000150
AAM169	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	5/5/2022	0.0000270	0.000000935	0.0000279	NA	µg/L	0.0000279
AAM169	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5/5/2022	0.00000191	0.0000000277 U	0.00000192	NA	µg/L	0.00000192
AAM169	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5/5/2022	0.0000115	0.0000000305 U	0.0000115	NA	µg/L	0.0000115
AAM169	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	5/5/2022	0.0000000845 U	0.000000197 U	0.000000239	NA	µg/L	0.000000239
AAM169	PCBs (as congeners)	Dichlorobiphenyl	E1668	5/5/2022	0.000405	0.0000262	0.000431	NA	µg/L	0.000431
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5/5/2022	0.0000463	0.0000000534 U	0.0000463	NA	µg/L	0.0000463
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	5/5/2022	0.0000447	0.000000408	0.0000451	NA	µg/L	0.0000451
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	5/5/2022	0.000215	0.00000158	0.000217	NA	µg/L	0.000217
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	5/5/2022	0.00000994	0.0000000521 U	0.00000996	NA	µg/L	0.00000996
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	5/5/2022	0.0000150	0.0000000472 U	0.0000151	NA	µg/L	0.0000151
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5/5/2022	0.00000340	0.0000000388 U	0.00000342	NA	µg/L	0.00000342
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	5/5/2022	0.0000346	0.0000000466 U	0.0000347	NA	µg/L	0.0000347
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	5/5/2022	0.00000392	0.0000000518 U	0.00000394	NA	µg/L	0.00000394
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	5/5/2022	0.0000000531 U	0.0000000511 U	0.000000078	NA	µg/L	0.0000000777
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	5/5/2022	0.000000324	0.00000388	0.00000421	NA	µg/L	0.00000421
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5/5/2022	0.000000154 J	0.00000109	0.00000124	NA	µg/L	0.00000124
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5/5/2022	0.0000000702	0.000000718	0.000000789	NA	µg/L	0.000000789
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5/5/2022	0.000000722	0.00000385	0.00000457	NA	µg/L	0.00000457
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5/5/2022	0.000000299	0.00000211	0.00000241	NA	µg/L	0.00000241
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5/5/2022	0.0000000450 U	0.000000183	0.000000205	NA	µg/L	0.000000205
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5/5/2022	0.000000130 J	0.000000408	0.000000538	NA	µg/L	0.000000538
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5/5/2022	0.000000190	0.000000670	0.000000860	NA	µg/L	0.000000860
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5/5/2022	0.000000615	0.00000132	0.00000194	NA	µg/L	0.00000194
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5/5/2022	0.00000110	0.00000751	0.00000861	NA	µg/L	0.00000861
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5/5/2022	0.0000000372 U	0.000000161 U	0.000000180	NA	µg/L	0.000000180
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5/5/2022	0.0000000401 U	0.000000173 U	0.000000193	NA	µg/L	0.000000193
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	5/5/2022	0.000000447	0.00000199	0.00000244	NA	µg/L	0.00000244
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5/5/2022	0.0000000121 U	0.0000000382 U	0.000000044	NA	µg/L	0.0000000442
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	5/5/2022	0.000000104 J	0.000000961	0.00000106	NA	µg/L	0.00000106
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5/5/2022	0.00000117	0.00000482	0.00000600	NA	µg/L	0.00000600
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5/5/2022	0.0000000107 U	0.0000000337 U	0.000000039	NA	µg/L	0.0000000390
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5/5/2022	0.0000000117 U	0.0000000388 U	0.000000045	NA	µg/L	0.0000000447
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000576 U	0.000000317 U	0.000000346	NA	µg/L	0.000000346
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5/5/2022	0.0000000337 U	0.000000660	0.000000677	NA	µg/L	0.000000677
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5/5/2022	0.0000000353 U	0.000000151 U	0.000000169	NA	µg/L	0.000000169
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5/5/2022	0.0000000312 U	0.000000132 U	0.000000148	NA	µg/L	0.000000148
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5/5/2022	0.000000408	0.00000256	0.00000297	NA	µg/L	0.00000297
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	5/5/2022	0.000000200	0.00000103 J	0.00000123	NA	µg/L	0.00000123
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	5/5/2022	0.00000281	0.0000145	0.0000173	NA	µg/L	0.0000173
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	5/5/2022	0.00000126 J	0.00000485	0.00000611	NA	µg/L	0.00000611
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	5/5/2022	0.0000000518 J	0.000000211	0.000000263	NA	µg/L	0.000000263
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	5/5/2022	0.0000000330 J	0.000000205	0.000000238	NA	µg/L	0.000000238
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	5/5/2022	0.00000199	0.00000515	0.00000713	NA	µg/L	0.00000713
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5/5/2022	0.000000280	0.000000786	0.00000107	NA	µg/L	0.00000107
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5/5/2022	0.000000893	0.00000192	0.00000282	NA	µg/L	0.00000282
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	5/5/2022	0.000000102 J	0.000000654 J	0.000000756	NA	µg/L	0.000000756
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	5/5/2022	0.0000000667 J	0.000000238 J	0.000000304	NA	µg/L	0.000000304
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	5/5/2022	0.000000631	0.00000268	0.00000331	NA	µg/L	0.00000331
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5/5/2022	0.000000382	0.00000175	0.00000213	NA	µg/L	0.00000213

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	5/5/2022	0.0000000295 U	0.0000000702 U	0.000000085	NA	µg/L	0.0000000850
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	5/5/2022	0.0000000322 U	0.0000000825 U	0.000000099	NA	µg/L	0.0000000986
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	5/5/2022	0.000000236	0.000000660 J	0.000000896	NA	µg/L	0.000000896
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	5/5/2022	0.0000000284 U	0.0000000744 U	0.000000089	NA	µg/L	0.0000000886
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5/5/2022	0.00000356	0.0000108	0.0000144	NA	µg/L	0.0000144
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5/5/2022	0.0000000192 U	0.0000000434 U	0.000000053	NA	µg/L	0.0000000529
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5/5/2022	0.0000000203 U	0.0000000456 U	0.000000056	NA	µg/L	0.0000000558
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5/5/2022	0.0000000177 U	0.0000000411 U	0.000000050	NA	µg/L	0.0000000500
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5/5/2022	0.00000234	0.00000935	0.0000117	NA	µg/L	0.0000117
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	5/5/2022	0.0000000434 J	0.000000234	0.000000278	NA	µg/L	0.000000278
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5/5/2022	0.0000000175 U	0.0000000401 U	0.000000049	NA	µg/L	0.0000000489
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	5/5/2022	0.000000220	0.00000182	0.00000204	NA	µg/L	0.00000204
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5/5/2022	0.000000275	0.00000139	0.00000166	NA	µg/L	0.00000166
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	5/5/2022	0.0000000508 U	0.000000236 U	0.000000262	NA	µg/L	0.000000262
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5/5/2022	0.0000000608 U	0.000000283 U	0.000000313	NA	µg/L	0.000000313
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5/5/2022	0.0000000236 U	0.0000000625 U	0.000000074	NA	µg/L	0.0000000743
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5/5/2022	0.0000000205 U	0.0000000518 U	0.000000062	NA	µg/L	0.0000000620
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5/5/2022	0.000000198 J	0.000000686 J	0.000000884	NA	µg/L	0.000000884
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5/5/2022	0.0000000235 U	0.0000000602 U	0.000000072	NA	µg/L	0.0000000719
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	5/5/2022	0.000000104 U	0.000000518 U	0.000000570	NA	µg/L	0.000000570
AAM169	PCBs (as congeners)	Monochlorobiphenyl	E1668	5/5/2022	0.0000284	0.000000257	0.0000286	NA	µg/L	0.0000286
AAM169	PCBs (as congeners)	Nonachlorobiphenyl	E1668	5/5/2022	0.000000169 U	0.000000799	0.000000884	NA	µg/L	0.000000884
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000243 U	0.000000799	0.000000921	NA	µg/L	0.000000921
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5/5/2022	0.0000000909 U	0.000000194 U	0.000000239	NA	µg/L	0.000000239
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5/5/2022	0.0000000942 U	0.000000186 U	0.000000233	NA	µg/L	0.000000233
AAM169	PCBs (as congeners)	Octachlorobiphenyl	E1668	5/5/2022	0.00000125	0.00000605	0.00000730	NA	µg/L	0.00000730
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5/5/2022	0.000000184	0.00000155	0.00000173	NA	µg/L	0.00000173
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	5/5/2022	0.000000135 J	0.000000479	0.000000614	NA	µg/L	0.000000614
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5/5/2022	0.0000000660	0.000000553	0.000000619	NA	µg/L	0.000000619
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	5/5/2022	0.0000000312 U	0.0000000981 U	0.000000114	NA	µg/L	0.000000114
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5/5/2022	0.000000279	0.00000148 J	0.00000176	NA	µg/L	0.00000176
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5/5/2022	0.0000000916 J	0.000000248	0.000000340	NA	µg/L	0.000000340
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5/5/2022	0.000000104	0.000000222	0.000000326	NA	µg/L	0.000000326
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5/5/2022	0.000000194	0.000000447	0.000000641	NA	µg/L	0.000000641
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5/5/2022	0.000000196 J	0.00000108	0.00000128	NA	µg/L	0.00000128
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	5/5/2022	0.0000000292 U	0.0000000909 U	0.000000106	NA	µg/L	0.000000106
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5/5/2022	0.0000000799 U	0.000000346 U	0.000000386	NA	µg/L	0.000000386
AAM169	PCBs (as congeners)	PCB-167	E1668	5/5/2022	0.0000000819	0.000000586	0.000000668	NA	µg/L	0.000000668
AAM169	PCBs (as congeners)	PCB-82	E1668	5/5/2022	0.000000540 J	0.000000977	0.00000152	NA	µg/L	0.00000152
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	5/5/2022	0.000000414	0.000000392 J	0.000000806	NA	µg/L	0.000000806
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	5/5/2022	0.00000401	0.00000293	0.00000694	NA	µg/L	0.00000694
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	5/5/2022	0.000000883	0.00000139	0.00000228	NA	µg/L	0.00000228
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	5/5/2022	0.00000434	0.00000621	0.0000106	NA	µg/L	0.0000106
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	5/5/2022	0.00000761	0.0000105	0.0000181	NA	µg/L	0.0000181
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	5/5/2022	0.000000134	0.000000165 U	0.000000217	NA	µg/L	0.000000217
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	5/5/2022	0.0000000528 U	0.0000000896 J	0.000000116	NA	µg/L	0.000000116
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	5/5/2022	0.0000000405 U	0.000000167 U	0.000000188	NA	µg/L	0.000000188
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	5/5/2022	0.00000155	0.00000181	0.00000336	NA	µg/L	0.00000336
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	5/5/2022	0.00000160	0.00000222	0.00000382	NA	µg/L	0.00000382
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	5/5/2022	0.0000000553 J	0.000000202 U	0.000000156	NA	µg/L	0.000000156
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	5/5/2022	0.0000000608 J	0.000000177 U	0.000000150	NA	µg/L	0.000000150
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	5/5/2022	0.0000123	0.0000103	0.0000225	NA	µg/L	0.0000225

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5/5/2022	0.000000124 J	0.0000000738 J	0.000000198	NA	µg/L	0.000000198
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	5/5/2022	0.00000231	0.00000340	0.00000571	NA	µg/L	0.00000571
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	5/5/2022	0.000000310	0.000000200	0.000000511	NA	µg/L	0.000000511
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	5/5/2022	0.0000000673 J	0.000000343	0.000000410	NA	µg/L	0.000000410
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5/5/2022	0.0000000189 U	0.0000000167 U	0.000000026	NA	µg/L	0.0000000262
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	5/5/2022	0.000000812	0.00000395	0.00000476	NA	µg/L	0.00000476
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	5/5/2022	0.000000130	0.000000369	0.000000499	NA	µg/L	0.000000499
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5/5/2022	0.0000000303 U	0.000000115 U	0.000000130	NA	µg/L	0.000000130
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	5/5/2022	0.0000000388 U	0.000000192	0.000000212	NA	µg/L	0.000000212
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5/5/2022	0.000000172	0.000000482	0.000000654	NA	µg/L	0.000000654
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5/5/2022	0.00000602	0.0000105	0.0000165	NA	µg/L	0.0000165
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5/5/2022	0.0000000333 U	0.000000122 U	0.000000138	NA	µg/L	0.000000138
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5/5/2022	0.0000000281 U	0.000000122 J	0.000000136	NA	µg/L	0.000000136
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	5/5/2022	0.0000000595 J	0.000000191 J	0.000000251	NA	µg/L	0.000000251
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	5/5/2022	0.0000000634 J	0.000000237	0.000000300	NA	µg/L	0.000000300
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	5/5/2022	0.00000212	0.00000796	0.0000101	NA	µg/L	0.0000101
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5/5/2022	0.0000000286 U	0.000000119 U	0.000000133	NA	µg/L	0.000000133
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5/5/2022	0.0000000268 U	0.0000000961 U	0.000000109	NA	µg/L	0.000000109
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	5/5/2022	0.000000139	0.000000205	0.000000344	NA	µg/L	0.000000344
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5/5/2022	0.0000000301 U	0.000000110 U	0.000000125	NA	µg/L	0.000000125
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	5/5/2022	0.0000000508 U	0.000000191 U	0.000000216	NA	µg/L	0.000000216
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5/5/2022	0.0000000317 U	0.000000129 U	0.000000145	NA	µg/L	0.000000145
AAM169	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5/5/2022	0.00000735	0.00000534	0.0000127	NA	µg/L	0.0000127
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5/5/2022	0.000147	0.0000366	0.000184	NA	µg/L	0.000184
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5/5/2022	0.00000916	0.00000196	0.0000111	NA	µg/L	0.0000111
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5/5/2022	0.00000631	0.00000131	0.00000762	NA	µg/L	0.00000762
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5/5/2022	0.00000340	0.000000330 J	0.00000373	NA	µg/L	0.00000373
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5/5/2022	0.0000275	0.00000524	0.0000328	NA	µg/L	0.0000328
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5/5/2022	0.00000107	0.000000117 J	0.00000119	NA	µg/L	0.00000119
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5/5/2022	0.00000366	0.000000498	0.00000416	NA	µg/L	0.00000416
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5/5/2022	0.0000101	0.000000579	0.0000106	NA	µg/L	0.0000106
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5/5/2022	0.0000149	0.00000395	0.0000188	NA	µg/L	0.0000188
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5/5/2022	0.00000660	0.000000825	0.00000743	NA	µg/L	0.00000743
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5/5/2022	0.00000281	0.000000764	0.00000358	NA	µg/L	0.00000358
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5/5/2022	0.00000670	0.00000112	0.00000782	NA	µg/L	0.00000782
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5/5/2022	0.0000303	0.00000731	0.0000376	NA	µg/L	0.0000376
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5/5/2022	0.000000116	0.0000000258 U	0.000000128	NA	µg/L	0.000000128
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5/5/2022	0.00000130	0.00000114	0.00000244	NA	µg/L	0.00000244
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	5/5/2022	0.0000000612 U	0.000000121 U	0.000000151	NA	µg/L	0.000000151
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	5/5/2022	0.000000282	0.000000118 U	0.000000340	NA	µg/L	0.000000340
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5/5/2022	0.0000000670 U	0.000000131 U	0.000000164	NA	µg/L	0.000000164
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5/5/2022	0.00000224	0.000000401	0.00000264	NA	µg/L	0.00000264
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5/5/2022	0.000000942	0.000000605	0.00000155	NA	µg/L	0.00000155
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	5/5/2022	0.00000297	0.00000237	0.00000534	NA	µg/L	0.00000534
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5/5/2022	0.000000184 J	0.000000144 U	0.000000257	NA	µg/L	0.000000257
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5/5/2022	0.000000654	0.000000314	0.000000968	NA	µg/L	0.000000968
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	5/5/2022	0.000000147 J	0.000000116 U	0.000000205	NA	µg/L	0.000000205
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5/5/2022	0.00000819	0.00000169	0.00000988	NA	µg/L	0.00000988
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5/5/2022	0.0000000621 U	0.000000127 U	0.000000158	NA	µg/L	0.000000158
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5/5/2022	0.0000000290 J	0.0000000524 U	0.000000055	NA	µg/L	0.0000000552
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	5/5/2022	0.000000159	0.000000550	0.000000709	NA	µg/L	0.000000709
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5/5/2022	0.0000000586 J	0.000000112 U	0.000000115	NA	µg/L	0.000000115

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5/5/2022	0.0000000660 U	0.000000130 U	0.000000163	NA	µg/L	0.000000163
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	5/5/2022	0.0000000621 U	0.000000124 U	0.000000155	NA	µg/L	0.000000155
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	5/5/2022	0.0000000654 U	0.000000129 U	0.000000161	NA	µg/L	0.000000161
AAM169	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5/5/2022	0.00000534	0.0000302	0.0000355	NA	µg/L	0.0000355
AAM169	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	5/5/2022	0.0000161	0.0000621	0.0000782	NA	µg/L	0.0000782
AAM169	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5/5/2022	0.0000456	0.0000650	0.000111	NA	µg/L	0.000111
AAM169	PCBs (as congeners)	Trichlorobiphenyl	E1668	5/5/2022	0.000411	0.0000258	0.000437	NA	µg/L	0.000437
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5/5/2022	0.0000511	0.00000151	0.0000526	NA	µg/L	0.0000526
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5/5/2022	0.0000534	0.00000191	0.0000553	NA	µg/L	0.0000553
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	5/5/2022	0.0000909	0.00000290	0.0000938	NA	µg/L	0.0000938
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5/5/2022	0.00000780	0.000000298 J	0.00000810	NA	µg/L	0.00000810
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5/5/2022	0.0000531	0.00000489	0.0000580	NA	µg/L	0.0000580
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5/5/2022	0.0000154	0.00000152	0.0000170	NA	µg/L	0.0000170
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5/5/2022	0.0000337	0.00000297	0.0000366	NA	µg/L	0.0000366
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5/5/2022	0.00000440	0.000000505	0.00000491	NA	µg/L	0.00000491
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5/5/2022	0.0000000900 J	0.000000118 U	0.000000149	NA	µg/L	0.000000149
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5/5/2022	0.000000274	0.000000119 U	0.000000334	NA	µg/L	0.000000334
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5/5/2022	0.0000122	0.00000122	0.0000134	NA	µg/L	0.0000134
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	5/5/2022	0.00000185	0.0000000472 J	0.00000190	NA	µg/L	0.00000190
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	5/5/2022	0.00000748	0.000000258	0.00000773	NA	µg/L	0.00000773
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5/5/2022	0.0000466	0.00000401	0.0000506	NA	µg/L	0.0000506
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	5/5/2022	0.0000295	0.00000112	0.0000306	NA	µg/L	0.0000306
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5/5/2022	0.000000550	0.00000106	0.00000161	NA	µg/L	0.00000161
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5/5/2022	0.000000202	0.000000511	0.000000713	NA	µg/L	0.000000713
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5/5/2022	0.00000283	0.00000108	0.00000391	NA	µg/L	0.00000391
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5/5/2022	0.0000000476 U	0.000000107 U	0.000000131	NA	µg/L	0.000000131
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5/5/2022	0.000000143	0.000000109 U	0.000000197	NA	µg/L	0.000000197
AAM169	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00106 J	0.00023 J	0.00129	6.4	pg/L	1,294
AAM169	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	10/21/2022	0.000000249	0.0000000830	0.000000332	NA	µg/L	0.000000332
AAM169	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	10/21/2022	0.0000000798 UJ	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl	E1668	10/21/2022	0.0000579 J	0.0000188 J	0.0000767	NA	µg/L	0.0000767
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10/21/2022	0.0000000798 U	0.0000000798 UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10/21/2022	0.0000000798 UJ	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	10/21/2022	0.000000201	0.0000000798 U	0.000000241	NA	µg/L	0.000000241
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10/21/2022	0.000000240 U	0.000000240 U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10/21/2022	0.00000122 J	0.00000435	0.00000557	NA	µg/L	0.00000557
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	10/21/2022	0.000000160 U	0.00000105	0.00000113	NA	µg/L	0.00000113
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	10/21/2022	0.000000250 J	0.000000671	0.000000921	NA	µg/L	0.000000921
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10/21/2022	0.00000202	0.00000359	0.00000561	NA	µg/L	0.00000561
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	10/21/2022	0.000000942	0.00000222	0.00000317	NA	µg/L	0.00000317
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	10/21/2022	0.0000000798 UJ	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	10/21/2022	0.0000000798 U	0.00000109	0.00000113	NA	µg/L	0.00000113

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10/21/2022	0.00000326		0.00000842		0.0000117	NA	µg/L	0.0000117
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	10/21/2022	0.0000000798	UJ	0.00000192		0.00000196	NA	µg/L	0.00000196
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	10/21/2022	0.0000000798	UJ	0.000000327	J	0.000000367	NA	µg/L	0.000000367
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10/21/2022	0.0000000798	U	0.00000447		0.00000451	NA	µg/L	0.00000451
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000591	J	0.0000000798	U	0.000000099	NA	µg/L	0.0000000990
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10/21/2022	0.000000206	J	0.000000890		0.00000110	NA	µg/L	0.00000110
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10/21/2022	0.000000160	U	0.00000225		0.00000233	NA	µg/L	0.00000233
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10/21/2022	0.0000000798	UJ	0.000000794	J	0.000000834	NA	µg/L	0.000000834
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10/21/2022	0.000000240	U	0.0000151		0.0000152	NA	µg/L	0.0000152
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10/21/2022	0.0000000798	UJ	0.000000236		0.000000276	NA	µg/L	0.000000276
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10/21/2022	0.000000160	U	0.000000160	U	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10/21/2022	0.0000000798	U	0.000000599	J	0.000000639	NA	µg/L	0.000000639
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	10/21/2022	0.000000160	UJ	0.000000160	UJ	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	10/21/2022	0.000000160	U	0.000000160	U	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	10/21/2022	0.000000160	U	0.000000160	U	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	10/21/2022	0.000000160	U	0.00000196		0.00000204	NA	µg/L	0.00000204
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000798	U	0.00000145		0.00000149	NA	µg/L	0.00000149
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.0000000798	U	0.00000103		0.00000107	NA	µg/L	0.00000107
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Monochlorobiphenyl	E1668	10/21/2022	0.00000269		0.000000675		0.00000337	NA	µg/L	0.00000337
AAM169	PCBs (as congeners)	Nonachlorobiphenyl	E1668	10/21/2022	0.000000301		0.00000132		0.00000162	NA	µg/L	0.00000162
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10/21/2022	0.000000301		0.00000132		0.00000162	NA	µg/L	0.00000162
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Octachlorobiphenyl	E1668	10/21/2022	0.00000299	J	0.00000906	J	0.0000120	NA	µg/L	0.0000120
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.000000527		0.00000180	J	0.00000233	NA	µg/L	0.00000233
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10/21/2022	0.000000495		0.00000130		0.00000180	NA	µg/L	0.00000180
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.000000161	J	0.000000894		0.00000106	NA	µg/L	0.00000106
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	10/21/2022	0.000000683	J	0.00000242	J	0.00000310	NA	µg/L	0.00000310
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10/21/2022	0.000000116	J	0.000000355		0.000000471	NA	µg/L	0.000000471
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10/21/2022	0.0000000798	UJ	0.000000332		0.000000372	NA	µg/L	0.000000372
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	10/21/2022	0.0000000798	U	0.000000423	J	0.000000463	NA	µg/L	0.000000463
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10/21/2022	0.000000643		0.00000155		0.00000219	NA	µg/L	0.00000219
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	PCB-167	E1668	10/21/2022	0.0000000798	U	0.000000623		0.000000663	NA	µg/L	0.000000663
AAM169	PCBs (as congeners)	PCB-82	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	10/21/2022	0.000000399	U	0.000000399	U	0.000000599	NA	µg/L	0.000000599
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	10/21/2022	0.000000240	UJ	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10/21/2022	0.0000000798	U	0.00000415		0.00000419	NA	µg/L	0.00000419
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10/21/2022	0.000000160	UJ	0.000000160	U	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	10/21/2022	0.000000319	U	0.000000319	U	0.000000479	NA	µg/L	0.000000479
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10/21/2022	0.0000623	J	0.0000342		0.0000964	NA	µg/L	0.0000964
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10/21/2022	0.00000830		0.0000000798	U	0.00000834	NA	µg/L	0.00000834
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	10/21/2022	0.00000140		0.0000000798	U	0.00000144	NA	µg/L	0.00000144
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	10/21/2022	0.0000000798	UJ	0.000000635		0.000000675	NA	µg/L	0.000000675
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000138	J	0.0000314	J	0.0000452	NA	µg/L	0.0000452
AAM169	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	10/21/2022	0.0000427	J	0.0000607	J	0.000103	NA	µg/L	0.000103
AAM169	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000723	J	0.0000591	J	0.000131	NA	µg/L	0.000131
AAM169	PCBs (as congeners)	Trichlorobiphenyl	E1668	10/21/2022	0.0000387	J	0.0000231	J	0.0000618	NA	µg/L	0.0000618
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.000000240	U	0.000000240	U	0.000000359	NA	µg/L	0.000000359
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10/21/2022	0.0000000798	UJ	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	10/21/2022	0.0000000798	U	0.0000000798	UJ	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10/21/2022	0.0000000798	U	0.0000000798	U	0.000000120	NA	µg/L	0.000000120

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10/21/2022	0.0000000798 U	0.0000000798 U	0.000000120	NA	µg/L	0.000000120
AAM169	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00003 J	0.00008 J	0.00010	6.4	pg/L	104
AAM169	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	3/9/2023	0.000000104	0.0000000427 U	0.000000125	NA	µg/L	0.000000125
AAM169	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	3/9/2023	0.00000205	0.000000541 J	0.00000259	NA	µg/L	0.00000259
AAM169	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	3/9/2023	0.000000613	0.000000369	0.000000982	NA	µg/L	0.000000982
AAM169	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3/9/2023	0.000000179	0.000000178	0.000000358	NA	µg/L	0.000000358
AAM169	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3/9/2023	0.000000273	0.000000191	0.000000463	NA	µg/L	0.000000463
AAM169	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3/9/2023	0.0000000731	0.000000135 J	0.000000208	NA	µg/L	0.000000208
AAM169	PCBs (as congeners)	Dichlorobiphenyl	E1668	3/9/2023	0.0000339	0.0000186	0.0000525	NA	µg/L	0.0000525
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	3/9/2023	0.00000534	0.00000106	0.00000640	NA	µg/L	0.00000640
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3/9/2023	0.00000164	0.000000240	0.00000188	NA	µg/L	0.00000188
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3/9/2023	0.00000369	0.000000638	0.00000433	NA	µg/L	0.00000433
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3/9/2023	0.000000330	0.0000000502 J	0.000000381	NA	µg/L	0.000000381
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3/9/2023	0.000000373	0.0000000638 J	0.000000437	NA	µg/L	0.000000437
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3/9/2023	0.000000264	0.0000000706 J	0.000000334	NA	µg/L	0.000000334
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3/9/2023	0.0000213	0.0000159	0.0000372	NA	µg/L	0.0000372
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3/9/2023	0.000000288	0.000000154	0.000000442	NA	µg/L	0.000000442
AAM169	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3/9/2023	0.0000000267 J	0.0000000412 U	0.000000047	NA	µg/L	0.0000000473
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	3/9/2023	0.000000263	0.000000778	0.00000104	NA	µg/L	0.00000104
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3/9/2023	0.000000125 J	0.000000271	0.000000396	NA	µg/L	0.000000396
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3/9/2023	0.0000000656 J	0.000000147	0.000000212	NA	µg/L	0.000000212
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3/9/2023	0.000000357	0.000000803	0.00000116	NA	µg/L	0.00000116
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3/9/2023	0.000000188	0.000000427	0.000000615	NA	µg/L	0.000000615
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3/9/2023	0.0000000268 J	0.0000000430 U	0.000000048	NA	µg/L	0.0000000483
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3/9/2023	0.0000000706 J	0.000000117	0.000000187	NA	µg/L	0.000000187
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3/9/2023	0.0000000731 J	0.000000151	0.000000224	NA	µg/L	0.000000224
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3/9/2023	0.000000163	0.000000249 J	0.000000412	NA	µg/L	0.000000412
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3/9/2023	0.000000613	0.00000151	0.00000212	NA	µg/L	0.00000212
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3/9/2023	0.0000000165 J	0.0000000362 U	0.000000035	NA	µg/L	0.0000000346
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3/9/2023	0.0000000213 J	0.0000000384 U	0.000000041	NA	µg/L	0.0000000405
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3/9/2023	0.000000219	0.000000477	0.000000695	NA	µg/L	0.000000695
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3/9/2023	0.0000000192 J	0.0000000124 U	0.000000025	NA	µg/L	0.0000000254
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	3/9/2023	0.0000000659 J	0.0000000882 J	0.000000154	NA	µg/L	0.000000154
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3/9/2023	0.000000441	0.000000989	0.00000143	NA	µg/L	0.00000143
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3/9/2023	0.0000000198 J	0.0000000109 U	0.000000025	NA	µg/L	0.0000000252
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3/9/2023	0.0000000238 J	0.0000000133 U	0.000000030	NA	µg/L	0.0000000304
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000152 U	0.0000000839 U	0.000000091	NA	µg/L	0.0000000915
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3/9/2023	0.0000000373 J	0.000000109	0.000000146	NA	µg/L	0.000000146
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	3/9/2023	0.0000000232 J	0.0000000341 U	0.000000040	NA	µg/L	0.0000000402
AAM169	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3/9/2023	0.0000000158 J	0.0000000299 U	0.000000031	NA	µg/L	0.0000000307
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	3/9/2023	0.000000328	0.000000760	0.00000109	NA	µg/L	0.00000109
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3/9/2023	0.000000152	0.000000241	0.000000392	NA	µg/L	0.000000392
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3/9/2023	0.00000200	0.00000346	0.00000546	NA	µg/L	0.00000546
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3/9/2023	0.000000706	0.00000118	0.00000188	NA	µg/L	0.00000188
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	3/9/2023	0.0000000412 J	0.0000000545 J	0.000000096	NA	µg/L	0.0000000957
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3/9/2023	0.0000000462 J	0.0000000588 J	0.000000105	NA	µg/L	0.000000105
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3/9/2023	0.00000104	0.00000130	0.00000234	NA	µg/L	0.00000234
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3/9/2023	0.000000143 J	0.000000182 J	0.000000325	NA	µg/L	0.000000325
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3/9/2023	0.000000452	0.000000588	0.00000104	NA	µg/L	0.00000104
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	3/9/2023	0.000000101	0.000000139 J	0.000000240	NA	µg/L	0.000000240
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3/9/2023	0.0000000559 J	0.000000104 J	0.000000160	NA	µg/L	0.000000160

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3/9/2023	0.000000427	0.000000588	0.00000101	NA	µg/L	0.00000101
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3/9/2023	0.000000286	0.000000505	0.000000791	NA	µg/L	0.000000791
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3/9/2023	0.0000000236 J	0.0000000247 U	0.000000036	NA	µg/L	0.0000000360
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	3/9/2023	0.00000000699 U	0.0000000273 U	0.000000031	NA	µg/L	0.0000000308
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3/9/2023	0.000000138	0.000000179	0.000000317	NA	µg/L	0.000000317
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3/9/2023	0.0000000197 J	0.0000000249 J	0.000000045	NA	µg/L	0.0000000446
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3/9/2023	0.00000197	0.00000287	0.00000484	NA	µg/L	0.00000484
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3/9/2023	0.0000000146 J	0.0000000168 U	0.000000023	NA	µg/L	0.0000000230
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3/9/2023	0.0000000271 J	0.0000000240 J	0.000000051	NA	µg/L	0.0000000511
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3/9/2023	0.0000000176 J	0.0000000158 U	0.000000026	NA	µg/L	0.0000000255
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3/9/2023	0.00000163	0.00000237	0.00000400	NA	µg/L	0.00000400
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3/9/2023	0.0000000663 J	0.0000000864 J	0.000000153	NA	µg/L	0.000000153
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3/9/2023	0.0000000136 J	0.0000000175 U	0.000000022	NA	µg/L	0.0000000223
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	3/9/2023	0.000000239	0.000000545	0.000000784	NA	µg/L	0.000000784
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3/9/2023	0.000000218	0.000000339	0.000000557	NA	µg/L	0.000000557
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	3/9/2023	0.0000000349 J	0.0000000495 U	0.000000060	NA	µg/L	0.0000000597
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	3/9/2023	0.0000000238 J	0.0000000581 U	0.000000053	NA	µg/L	0.0000000528
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3/9/2023	0.0000000152 J	0.0000000214 U	0.000000026	NA	µg/L	0.0000000259
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3/9/2023	0.0000000166 J	0.0000000182 U	0.000000026	NA	µg/L	0.0000000257
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	3/9/2023	0.000000141	0.000000237	0.000000378	NA	µg/L	0.000000378
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3/9/2023	0.0000000206 J	0.0000000212 U	0.000000031	NA	µg/L	0.0000000312
AAM169	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000416 U	0.000000186 U	0.000000207	NA	µg/L	0.000000207
AAM169	PCBs (as congeners)	Monochlorobiphenyl	E1668	3/9/2023	0.00000251	0.000000910	0.00000342	NA	µg/L	0.00000342
AAM169	PCBs (as congeners)	Nonachlorobiphenyl	E1668	3/9/2023	0.000000103 J	0.000000260	0.000000363	NA	µg/L	0.000000363
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000774 J	0.000000260	0.000000337	NA	µg/L	0.000000337
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	3/9/2023	0.0000000195 U	0.0000000659 U	0.000000076	NA	µg/L	0.0000000757
AAM169	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	3/9/2023	0.0000000256 J	0.0000000710 U	0.000000061	NA	µg/L	0.0000000611
AAM169	PCBs (as congeners)	Octachlorobiphenyl	E1668	3/9/2023	0.000000656 J	0.00000134 J	0.00000199	NA	µg/L	0.00000199
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	3/9/2023	0.000000124	0.000000362	0.000000486	NA	µg/L	0.000000486
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3/9/2023	0.0000000613 J	0.000000166 J	0.000000227	NA	µg/L	0.000000227
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	3/9/2023	0.0000000534 J	0.000000135	0.000000188	NA	µg/L	0.000000188
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	3/9/2023	0.0000000114 J	0.0000000495 U	0.000000036	NA	µg/L	0.0000000361
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3/9/2023	0.000000167	0.000000355	0.000000522	NA	µg/L	0.000000522
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	3/9/2023	0.0000000317 J	0.0000000509 U	0.000000057	NA	µg/L	0.0000000572
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	3/9/2023	0.0000000323 J	0.0000000538 U	0.000000059	NA	µg/L	0.0000000591
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	3/9/2023	0.0000000591 J	0.000000123	0.000000182	NA	µg/L	0.000000182
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	3/9/2023	0.0000000824	0.000000198	0.000000280	NA	µg/L	0.000000280
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	3/9/2023	0.0000000116 J	0.0000000470 U	0.000000035	NA	µg/L	0.0000000351
AAM169	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000196 J	0.000000116 U	0.000000078	NA	µg/L	0.0000000779
AAM169	PCBs (as congeners)	PCB-167	E1668	3/9/2023	0.0000000968	0.000000172 J	0.000000269	NA	µg/L	0.000000269
AAM169	PCBs (as congeners)	PCB-82	E1668	3/9/2023	0.000000249	0.000000343	0.000000592	NA	µg/L	0.000000592
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3/9/2023	0.000000157 J	0.000000146 J	0.000000303	NA	µg/L	0.000000303
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3/9/2023	0.000000892	0.000000989	0.00000188	NA	µg/L	0.00000188
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3/9/2023	0.000000384	0.000000545	0.000000928	NA	µg/L	0.000000928
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3/9/2023	0.00000190	0.00000204	0.00000394	NA	µg/L	0.00000394
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3/9/2023	0.00000319	0.00000334	0.00000653	NA	µg/L	0.00000653
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3/9/2023	0.0000000341 J	0.0000000281 U	0.000000048	NA	µg/L	0.0000000482
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3/9/2023	0.0000000338 U	0.0000000350 U	0.000000052	NA	µg/L	0.0000000519
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3/9/2023	0.0000000272 U	0.0000000276 J	0.000000041	NA	µg/L	0.0000000412
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3/9/2023	0.000000627	0.000000656	0.00000128	NA	µg/L	0.00000128
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3/9/2023	0.000000742	0.000000817	0.00000156	NA	µg/L	0.00000156
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3/9/2023	0.0000000366 U	0.0000000333 U	0.000000052	NA	µg/L	0.0000000516

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3/9/2023	0.000000109 J	0.0000000785 J	0.000000187	NA	µg/L	0.000000187
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3/9/2023	0.00000362	0.00000366	0.00000728	NA	µg/L	0.00000728
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3/9/2023	0.0000000495 J	0.0000000349 J	0.000000084	NA	µg/L	0.0000000844
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3/9/2023	0.00000108	0.00000135	0.00000242	NA	µg/L	0.00000242
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3/9/2023	0.000000106	0.0000000928 J	0.000000199	NA	µg/L	0.000000199
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3/9/2023	0.000000183 J	0.000000180	0.000000363	NA	µg/L	0.000000363
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3/9/2023	0.0000000153 J	0.0000000122 J	0.000000027	NA	µg/L	0.0000000275
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	3/9/2023	0.000000842	0.00000114	0.00000198	NA	µg/L	0.00000198
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	3/9/2023	0.000000118 J	0.000000151	0.000000269	NA	µg/L	0.000000269
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	3/9/2023	0.0000000219 U	0.0000000206 J	0.000000032	NA	µg/L	0.0000000315
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3/9/2023	0.0000000516 J	0.0000000505 J	0.000000102	NA	µg/L	0.000000102
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	3/9/2023	0.000000149	0.000000203	0.000000352	NA	µg/L	0.000000352
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	3/9/2023	0.00000305	0.00000335	0.00000641	NA	µg/L	0.00000641
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	3/9/2023	0.0000000231 U	0.0000000214 U	0.000000033	NA	µg/L	0.0000000330
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	3/9/2023	0.0000000209 U	0.0000000186 U	0.000000029	NA	µg/L	0.0000000290
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3/9/2023	0.0000000681 J	0.0000000674 J	0.000000135	NA	µg/L	0.000000135
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	3/9/2023	0.0000000487 J	0.0000000599 J	0.000000109	NA	µg/L	0.000000109
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3/9/2023	0.00000192	0.00000228	0.00000420	NA	µg/L	0.00000420
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	3/9/2023	0.0000000194 U	0.0000000430 J	0.000000053	NA	µg/L	0.0000000527
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	3/9/2023	0.0000000271 J	0.0000000181 U	0.000000036	NA	µg/L	0.0000000361
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	3/9/2023	0.0000000663 J	0.0000000538 J	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	3/9/2023	0.0000000211 U	0.0000000196 U	0.000000030	NA	µg/L	0.0000000302
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	3/9/2023	0.0000000313 J	0.0000000860 U	0.000000074	NA	µg/L	0.0000000743
AAM169	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	3/9/2023	0.0000000244 U	0.0000000224 U	0.000000035	NA	µg/L	0.0000000346
AAM169	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	3/9/2023	0.00000242	0.00000254	0.00000496	NA	µg/L	0.00000496
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3/9/2023	0.0000241 J	0.0000185 J	0.0000426	NA	µg/L	0.0000426
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	3/9/2023	0.00000119	0.000000993	0.00000218	NA	µg/L	0.00000218
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	3/9/2023	0.000000620	0.000000591	0.00000121	NA	µg/L	0.00000121
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	3/9/2023	0.000000129	0.000000124	0.000000253	NA	µg/L	0.000000253
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	3/9/2023	0.00000373	0.00000270	0.00000643	NA	µg/L	0.00000643
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	3/9/2023	0.0000000864	0.0000000527 J	0.000000139	NA	µg/L	0.000000139
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	3/9/2023	0.000000398	0.000000218	0.000000616	NA	µg/L	0.000000616
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	3/9/2023	0.000000642	0.000000538	0.00000118	NA	µg/L	0.00000118
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3/9/2023	0.00000289	0.00000212	0.00000501	NA	µg/L	0.00000501
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	3/9/2023	0.000000419	0.000000353	0.000000772	NA	µg/L	0.000000772
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	3/9/2023	0.00000140	0.000000227	0.00000163	NA	µg/L	0.00000163
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	3/9/2023	0.00000149	0.000000703	0.00000219	NA	µg/L	0.00000219
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3/9/2023	0.00000502	0.00000362	0.00000864	NA	µg/L	0.00000864
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3/9/2023	0.000000149	0.0000000387 J	0.000000188	NA	µg/L	0.000000188
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	3/9/2023	0.000000437	0.000000595	0.00000103	NA	µg/L	0.00000103
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	3/9/2023	0.0000000232 J	0.0000000430 U	0.000000045	NA	µg/L	0.0000000447
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	3/9/2023	0.0000000232 J	0.0000000409 U	0.000000044	NA	µg/L	0.0000000437
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	3/9/2023	0.0000000235 J	0.0000000462 U	0.000000047	NA	µg/L	0.0000000466
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3/9/2023	0.000000265	0.000000209 J	0.000000474	NA	µg/L	0.000000474
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	3/9/2023	0.000000225	0.000000342	0.000000566	NA	µg/L	0.000000566
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	3/9/2023	0.000000896	0.00000110	0.00000200	NA	µg/L	0.00000200
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	3/9/2023	0.0000000771	0.0000000674 J	0.000000144	NA	µg/L	0.000000144
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	3/9/2023	0.000000266	0.000000157	0.000000422	NA	µg/L	0.000000422
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	3/9/2023	0.0000000530 J	0.0000000667 J	0.000000120	NA	µg/L	0.000000120
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3/9/2023	0.000000867	0.000000832	0.00000170	NA	µg/L	0.00000170
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	3/9/2023	0.0000000796 J	0.0000000756	0.000000155	NA	µg/L	0.000000155
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3/9/2023	0.0000000299 J	0.0000000154 J	0.000000045	NA	µg/L	0.0000000453

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	3/9/2023	0.000000139	0.000000265 J	0.000000404	NA	µg/L	0.000000404
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	3/9/2023	0.0000000781	0.0000000394 U	0.000000098	NA	µg/L	0.0000000978
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	3/9/2023	0.0000000206 J	0.0000000473 U	0.000000044	NA	µg/L	0.0000000442
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	3/9/2023	0.0000000178 U	0.0000000441 U	0.000000053	NA	µg/L	0.0000000530
AAM169	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	3/9/2023	0.0000000222 U	0.0000000538 U	0.000000065	NA	µg/L	0.0000000648
AAM169	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3/9/2023	0.00000288 J	0.00000609 J	0.00000897	NA	µg/L	0.00000897
AAM169	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	3/9/2023	0.0000105 J	0.0000160 J	0.0000265	NA	µg/L	0.0000265
AAM169	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3/9/2023	0.0000197 J	0.0000217 J	0.0000414	NA	µg/L	0.0000414
AAM169	PCBs (as congeners)	Trichlorobiphenyl	E1668	3/9/2023	0.0000280 J	0.0000118 J	0.0000397	NA	µg/L	0.0000397
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3/9/2023	0.00000297	0.00000106	0.00000403	NA	µg/L	0.00000403
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3/9/2023	0.00000398	0.00000150	0.00000548	NA	µg/L	0.00000548
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3/9/2023	0.00000652	0.00000229	0.00000881	NA	µg/L	0.00000881
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3/9/2023	0.00000182	0.000000358 J	0.00000218	NA	µg/L	0.00000218
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3/9/2023	0.00000242	0.00000132	0.00000373	NA	µg/L	0.00000373
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3/9/2023	0.000000749	0.000000437	0.00000119	NA	µg/L	0.00000119
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3/9/2023	0.00000182	0.000000907	0.00000273	NA	µg/L	0.00000273
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3/9/2023	0.000000430	0.000000193	0.000000623	NA	µg/L	0.000000623
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3/9/2023	0.0000000178 U	0.0000000245 U	0.000000033	NA	µg/L	0.0000000334
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3/9/2023	0.0000000978	0.0000000380 J	0.000000136	NA	µg/L	0.000000136
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3/9/2023	0.00000114	0.000000455	0.00000159	NA	µg/L	0.00000159
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3/9/2023	0.0000000835	0.0000000376 J	0.000000121	NA	µg/L	0.000000121
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3/9/2023	0.000000620	0.000000205	0.000000825	NA	µg/L	0.000000825
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3/9/2023	0.00000203	0.00000104	0.00000306	NA	µg/L	0.00000306
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3/9/2023	0.00000228	0.000000849	0.00000313	NA	µg/L	0.00000313
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3/9/2023	0.000000405	0.000000459	0.000000864	NA	µg/L	0.000000864
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3/9/2023	0.000000142	0.000000247	0.000000388	NA	µg/L	0.000000388
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3/9/2023	0.000000369	0.000000369	0.000000738	NA	µg/L	0.000000738
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3/9/2023	0.0000000244 J	0.0000000227 U	0.000000036	NA	µg/L	0.0000000357
AAM169	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3/9/2023	0.0000000272 J	0.0000000353 J	0.000000063	NA	µg/L	0.0000000625
AAM169	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00012 J	0.00010 J	0.00022	6.4	pg/L	219
AAM107	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.000000117 U	0.000000142 J	0.000000201	NA	µg/L	0.000000201
AAM131	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.00000000389 U	0.00000224 J	0.00000224	NA	µg/L	0.00000224
AAM169	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000320 J	0.000000335	0.000000367	NA	µg/L	0.000000367
AAP957	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000834 J	0.000000396	0.000000480	NA	µg/L	0.000000480
AAQ005	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.000000125 J	0.00000171 J	0.00000183	NA	µg/L	0.00000183
AAM107	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000197 U	0.000000585	0.000000683	NA	µg/L	0.000000683
AAM131	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.00000000484 U	0.00000671	0.00000671	NA	µg/L	0.00000671
AAM169	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000832	0.00000244	0.00000252	NA	µg/L	0.00000252
AAP957	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000202 J	0.00000108	0.00000128	NA	µg/L	0.00000128
AAQ005	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000423	0.00000590	0.00000632	NA	µg/L	0.00000632
AAM107	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	5/5/2022	0.000000132	0.00000689	0.00000702	NA	µg/L	0.00000702
AAM107	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	10/21/2022	0.000000296 J	0.00000551	0.00000580	NA	µg/L	0.00000580
AAM131	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	5/5/2022	0.000000148	0.00000659	0.00000674	NA	µg/L	0.00000674
AAM131	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	10/21/2022	0.000000479	0.0000241	0.0000245	NA	µg/L	0.0000245
AAM169	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	5/5/2022	0.000000245 J	0.00000327	0.00000351	NA	µg/L	0.00000351
AAM169	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	10/21/2022	0.000000559	0.00000329	0.00000385	NA	µg/L	0.00000385
AAP957	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	5/5/2022	0.0000000900 J	0.00000109	0.00000118	NA	µg/L	0.00000118
AAP957	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	10/21/2022	0.000000486	0.0000122	0.0000127	NA	µg/L	0.0000127
AAQ005	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	5/5/2022	0.000000159 J	0.00000911	0.00000927	NA	µg/L	0.00000927
AAQ005	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	10/21/2022	0.000000905	0.0000127	0.0000136	NA	µg/L	0.0000136
AAM107	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.000000192 U	0.0000000811 J	0.000000177	NA	µg/L	0.000000177
AAM131	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.00000000466 U	0.00000133 J	0.00000134	NA	µg/L	0.00000134

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.00000000627	U	0.000000185	J	0.000000188	NA	µg/L	0.000000188
AAP957	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000137	U	0.000000199	J	0.000000206	NA	µg/L	0.000000206
AAQ005	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000252		0.000000770	J	0.000000795	NA	µg/L	0.000000795
AAM169	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	5/5/2022	0.0000000152	J	0.0000000990	J	0.000000114	NA	µg/L	0.000000114
AAM107	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000261	U	0.000000107	J	0.000000238	NA	µg/L	0.000000238
AAM131	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000228	J	0.00000123		0.00000125	NA	µg/L	0.00000125
AAM169	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.00000000778	U	0.000000462	J	0.000000466	NA	µg/L	0.000000466
AAP957	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000196	U	0.000000246	J	0.000000256	NA	µg/L	0.000000256
AAQ005	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000180	U	0.000000820	J	0.000000829	NA	µg/L	0.000000829
AAM107	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000573	U	0.00000136	J	0.00000136	NA	µg/L	0.00000136
AAM107	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000210		0.000000447	J	0.000000468	NA	µg/L	0.000000468
AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000311	J	0.00000143	J	0.00000146	NA	µg/L	0.00000146
AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000109	J	0.00000229	J	0.00000240	NA	µg/L	0.00000240
AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000485	J	0.000000608	J	0.000000657	NA	µg/L	0.000000657
AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000320		0.000000256	J	0.000000288	NA	µg/L	0.000000288
AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.00000000607	U	0.000000201	J	0.000000204	NA	µg/L	0.000000204
AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000503	J	0.00000101	J	0.00000106	NA	µg/L	0.00000106
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000515	J	0.00000166	J	0.00000171	NA	µg/L	0.00000171
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000611	J	0.000000837	J	0.000000898	NA	µg/L	0.000000898
AAM107	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5/5/2022	0.00000000542	U	0.0000000613	J	0.000000064	NA	µg/L	0.0000000640
AAM107	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	10/21/2022	0.000000104	U	0.0000000207	J	0.000000072	NA	µg/L	0.0000000725
AAM107	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3/9/2023	0.000000152	R	0.00000000561	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5/5/2022	0.00000000774	U	0.0000000730	J	0.000000077	NA	µg/L	0.0000000768
AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	10/21/2022	0.0000000107	J	0.000000156	J	0.000000167	NA	µg/L	0.000000167
AAM131	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3/9/2023	0.00000000471	U	0.0000000732	J	0.000000076	NA	µg/L	0.0000000756
AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5/5/2022	0.00000000537	U	0.0000000353	J	0.000000038	NA	µg/L	0.0000000380
AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	10/21/2022	0.0000000998	U	0.0000000154	J	0.000000065	NA	µg/L	0.0000000653
AAM169	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3/9/2023	0.00000000602	U	0.0000000142	J	0.000000017	NA	µg/L	0.0000000172
AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5/5/2022	0.00000000559	U	0.0000000124	J	0.000000015	NA	µg/L	0.0000000152
AAM169	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10/21/2022	0.000000106	J	0.000000126	J	0.000000232	NA	µg/L	0.000000232
AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	10/21/2022	0.0000000109	J	0.0000000583	J	0.000000069	NA	µg/L	0.0000000692
AAP957	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3/9/2023	0.0000000124	U	0.0000000111	J	0.000000017	NA	µg/L	0.0000000173
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	5/5/2022	0.00000000351	U	0.0000000976		0.000000099	NA	µg/L	0.0000000993
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	10/21/2022	0.0000000992	U	0.0000000440	J	0.000000094	NA	µg/L	0.0000000937
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	3/9/2023	0.0000000117	U	0.0000000568	J	0.000000063	NA	µg/L	0.0000000626
AAM107	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000110	U	0.00000132	J	0.00000133	NA	µg/L	0.00000133
AAM107	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000352		0.000000642	J	0.000000677	NA	µg/L	0.000000677
AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000120	U	0.00000172	J	0.00000172	NA	µg/L	0.00000172
AAM131	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000980	J	0.00000254	J	0.00000264	NA	µg/L	0.00000264
AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000119	U	0.000000644	J	0.000000650	NA	µg/L	0.000000650
AAM169	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000159	J	0.000000483	J	0.000000642	NA	µg/L	0.000000642
AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000752	U	0.000000227	J	0.000000231	NA	µg/L	0.000000231
AAP957	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000797	J	0.00000148	J	0.00000156	NA	µg/L	0.00000156
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000605	U	0.00000177	J	0.00000177	NA	µg/L	0.00000177
AAQ005	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000111		0.00000138	J	0.00000149	NA	µg/L	0.00000149
AAM107	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000348	J	0.00000210		0.00000214	NA	µg/L	0.00000214
AAM107	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000472	J	0.000000708		0.000000755	NA	µg/L	0.000000755
AAM107	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000604	R	0.000000127	J	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000407	J	0.00000147		0.00000151	NA	µg/L	0.00000151
AAM131	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000155	J	0.00000357		0.00000372	NA	µg/L	0.00000372
AAM131	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000164	U	0.00000155		0.00000156	NA	µg/L	0.00000156
AAM169	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000803	J	0.000000896		0.000000977	NA	µg/L	0.000000977

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000727	J	0.000000503		0.000000576	NA	µg/L	0.000000576
AAM169	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000146	U	0.000000277	J	0.000000284	NA	µg/L	0.000000284
AAP957	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000127	U	0.000000239	J	0.000000245	NA	µg/L	0.000000245
AAM169	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	3/9/2023	0.0000000151	J	0.0000000391	J	0.000000054	NA	µg/L	0.0000000541
AAP957	O/P	2,4'-DDD	E1699M	5/5/2022	0.00000378	U	0.00000249	U	0.00000438	NA	µg/L	0.00000438
AAP957	O/P	P,P'-DDD	E1699M	5/5/2022	0.00000467	U	0.00000307	U	0.00000540	NA	µg/L	0.00000540
AAP957	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000467	U	0.00000307	U	0.00000540	0.031	ng/L	0.00540
AAP957	O/P	O,P'-DDE	E1699M	5/5/2022	0.00000245	U	0.00000181	U	0.00000303	NA	µg/L	0.00000303
AAP957	O/P	P,P'-DDE	E1699M	5/5/2022	0.00000251	U	0.00000611		0.00000736	NA	µg/L	0.00000736
AAP957	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000251	U	0.00000700		0.00000825	0.018	ng/L	0.00825
AAP957	O/P	O,P'-DDT	E1699M	5/5/2022	0.00000981	U	0.00000507	U	0.00000998	NA	µg/L	0.00000998
AAP957	O/P	P,P'-DDT	E1699M	5/5/2022	0.0000102	U	0.0000132	J	0.0000183	NA	µg/L	0.0000183
AAP957	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000102	U	0.0000157		0.0000208	0.022	ng/L	0.0208
AAP957	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000102	U	0.0000255		0.0000306	10	ng/L	0.0306
AAP957	O/P	2,4'-DDD	E1699M	10/21/2022	0.00000499	J	0.00000847		0.0000135	NA	µg/L	0.0000135
AAP957	O/P	P,P'-DDD	E1699M	10/21/2022	0.00000667	J	0.0000203		0.0000270	NA	µg/L	0.0000270
AAP957	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000117		0.0000288		0.0000404	0.031	ng/L	0.0404
AAP957	O/P	O,P'-DDE	E1699M	10/21/2022	0.00000419	U	0.00000449	J	0.00000658	NA	µg/L	0.00000658
AAP957	O/P	P,P'-DDE	E1699M	10/21/2022	0.00000704		0.0000465		0.0000536	NA	µg/L	0.0000536
AAP957	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000914		0.0000512		0.0000603	0.018	ng/L	0.0603
AAP957	O/P	O,P'-DDT	E1699M	10/21/2022	0.00000780	J	0.0000478		0.0000556	NA	µg/L	0.0000556
AAP957	O/P	P,P'-DDT	E1699M	10/21/2022	0.0000284		0.000237		0.000266	NA	µg/L	0.000266
AAP957	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000362		0.000285		0.000321	0.022	ng/L	0.321
AAP957	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000570		0.000365		0.000422	10	ng/L	0.422
AAP957	O/P	2,4'-DDD	E1699	3/9/2023	0.00000703	J	0.00000907	U	0.0000116	NA	µg/L	0.0000116
AAP957	O/P	P,P'-DDD	E1699	3/9/2023	0.00000653	J	0.00000252	J	0.00000905	NA	µg/L	0.00000905
AAP957	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000136		0.00000707		0.0000206	0.031	ng/L	0.0206
AAP957	O/P	O,P'-DDE	E1699	3/9/2023	0.00000454	U	0.00000454	U	0.00000680	NA	µg/L	0.00000680
AAP957	O/P	P,P'-DDE	E1699	3/9/2023	0.00000193	J	0.00000594		0.00000787	NA	µg/L	0.00000787
AAP957	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000420		0.00000821		0.0000124	0.018	ng/L	0.0124
AAP957	O/P	O,P'-DDT	E1699	3/9/2023	0.00000907	U	0.00000328	J	0.00000781	NA	µg/L	0.00000781
AAP957	O/P	P,P'-DDT	E1699	3/9/2023	0.00000576	J	0.0000143		0.0000201	NA	µg/L	0.0000201
AAP957	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000103		0.0000176		0.0000279	0.022	ng/L	0.0279
AAP957	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000281		0.0000329		0.0000610	10	ng/L	0.0610
AAP957	O/P	DIELDRIN	E1699M	5/5/2022	0.0000309		0.00000419	U	0.0000330	NA	µg/L	0.0000330
AAP957	O/P	DIELDRIN	E1699M	10/21/2022	0.0000604		0.0000272	J	0.0000876	NA	µg/L	0.0000876
AAP957	O/P	DIELDRIN	E1699	3/9/2023	0.0000107	J	0.00000321	J	0.0000139	NA	µg/L	0.0000139
AAP957	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	5/5/2022	0.000000142		0.0000000470	U	0.000000166	NA	µg/L	0.000000166
AAP957	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	5/5/2022	0.0000000419	U	0.0000000258	U	0.000000047	NA	µg/L	0.0000000467
AAP957	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	5/5/2022	0.00000193		0.000000878		0.00000281	NA	µg/L	0.00000281
AAP957	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5/5/2022	0.0000000306	U	0.0000000208	U	0.000000036	NA	µg/L	0.0000000361
AAP957	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5/5/2022	0.0000000336	U	0.0000000229	U	0.000000040	NA	µg/L	0.0000000397
AAP957	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	5/5/2022	0.0000000804	U	0.000000195	U	0.000000235	NA	µg/L	0.000000235
AAP957	PCBs (as congeners)	Dichlorobiphenyl	E1668	5/5/2022	0.0000759		0.0000250		0.000101	NA	µg/L	0.000101
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5/5/2022	0.00000181		0.0000000287	U	0.00000182	NA	µg/L	0.00000182
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	5/5/2022	0.000000822		0.0000000389	U	0.000000842	NA	µg/L	0.000000842
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	5/5/2022	0.00000400		0.0000000374	U	0.00000402	NA	µg/L	0.00000402
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	5/5/2022	0.000000207	J	0.0000000452	U	0.000000230	NA	µg/L	0.000000230
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	5/5/2022	0.000000272		0.0000000411	U	0.000000293	NA	µg/L	0.000000293
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5/5/2022	0.0000000926	J	0.0000000209	U	0.000000103	NA	µg/L	0.000000103
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	5/5/2022	0.0000663		0.0000000407	U	0.0000663	NA	µg/L	0.0000663
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	5/5/2022	0.000000356		0.0000000452	U	0.000000379	NA	µg/L	0.000000379

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	5/5/2022	0.0000000344 U	0.0000000444 U	0.000000062	NA	µg/L	0.0000000616
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	5/5/2022	0.000000277 J	0.00000194	0.00000222	NA	µg/L	0.00000222
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5/5/2022	0.000000136 J	0.000000507	0.000000644	NA	µg/L	0.000000644
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5/5/2022	0.0000000781 J	0.000000245 J	0.000000323	NA	µg/L	0.000000323
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5/5/2022	0.000000526	0.00000157	0.00000210	NA	µg/L	0.00000210
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5/5/2022	0.000000205 J	0.000000930	0.00000113	NA	µg/L	0.00000113
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5/5/2022	0.0000000304 U	0.000000139 U	0.000000154	NA	µg/L	0.000000154
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5/5/2022	0.0000000919	0.000000155 J	0.000000247	NA	µg/L	0.000000247
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5/5/2022	0.0000000752 J	0.000000276	0.000000351	NA	µg/L	0.000000351
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5/5/2022	0.000000216 J	0.000000470 J	0.000000687	NA	µg/L	0.000000687
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5/5/2022	0.000000778	0.00000313	0.00000391	NA	µg/L	0.00000391
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5/5/2022	0.0000000251 U	0.000000114 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5/5/2022	0.0000000270 U	0.000000122 U	0.000000135	NA	µg/L	0.000000135
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	5/5/2022	0.000000251	0.000000937	0.00000119	NA	µg/L	0.00000119
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5/5/2022	0.0000000158 U	0.0000000291 U	0.000000037	NA	µg/L	0.0000000370
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	5/5/2022	0.000000106	0.000000118 J	0.000000224	NA	µg/L	0.000000224
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5/5/2022	0.000000541	0.00000172	0.00000226	NA	µg/L	0.00000226
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5/5/2022	0.0000000139 U	0.0000000256 U	0.000000033	NA	µg/L	0.0000000325
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5/5/2022	0.0000000154 U	0.0000000295 U	0.000000037	NA	µg/L	0.0000000372
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000533 U	0.000000142 U	0.000000169	NA	µg/L	0.000000169
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5/5/2022	0.0000000245 U	0.000000305	0.000000317	NA	µg/L	0.000000317
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5/5/2022	0.0000000238 U	0.000000107 U	0.000000119	NA	µg/L	0.000000119
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5/5/2022	0.0000000210 U	0.0000000930 U	0.000000103	NA	µg/L	0.000000103
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5/5/2022	0.000000337	0.00000186	0.00000220	NA	µg/L	0.00000220
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	5/5/2022	0.000000123 J	0.000000830 J	0.000000952	NA	µg/L	0.000000952
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	5/5/2022	0.00000223	0.0000113 J	0.0000135	NA	µg/L	0.0000135
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	5/5/2022	0.00000102	0.00000407 J	0.00000509	NA	µg/L	0.00000509
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	5/5/2022	0.0000000346 U	0.000000219 J	0.000000236	NA	µg/L	0.000000236
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	5/5/2022	0.0000000296 U	0.0000000837 J	0.000000099	NA	µg/L	0.0000000985
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	5/5/2022	0.00000131	0.00000329 J	0.00000460	NA	µg/L	0.00000460
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5/5/2022	0.0000000378 U	0.000000711 J	0.000000730	NA	µg/L	0.000000730
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5/5/2022	0.000000489	0.00000121	0.00000170	NA	µg/L	0.00000170
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	5/5/2022	0.0000000985	0.000000481 J	0.000000580	NA	µg/L	0.000000580
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	5/5/2022	0.0000000280 U	0.000000203 J	0.000000217	NA	µg/L	0.000000217
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	5/5/2022	0.000000574	0.00000189 J	0.00000246	NA	µg/L	0.00000246
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5/5/2022	0.000000274 J	0.00000128 J	0.00000155	NA	µg/L	0.00000155
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	5/5/2022	0.000000179	0.000000190 J	0.000000369	NA	µg/L	0.000000369
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	5/5/2022	0.0000000340 U	0.0000000663 UJ	0.000000083	NA	µg/L	0.0000000833
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	5/5/2022	0.000000183	0.000000448 J	0.000000631	NA	µg/L	0.000000631
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	5/5/2022	0.0000000300 U	0.0000000600 UJ	0.000000075	NA	µg/L	0.0000000750
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5/5/2022	0.00000264	0.00000752 J	0.0000102	NA	µg/L	0.0000102
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5/5/2022	0.0000000160 U	0.0000000290 U	0.000000037	NA	µg/L	0.0000000370
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5/5/2022	0.0000000169 U	0.0000000306 U	0.000000039	NA	µg/L	0.0000000391
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5/5/2022	0.0000000148 U	0.0000000276 U	0.000000035	NA	µg/L	0.0000000350
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5/5/2022	0.00000181	0.00000707 J	0.00000888	NA	µg/L	0.00000888
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	5/5/2022	0.0000000281 U	0.0000000978 J	0.000000112	NA	µg/L	0.000000112
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5/5/2022	0.0000000146 U	0.0000000269 U	0.000000034	NA	µg/L	0.0000000341
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	5/5/2022	0.000000227 U	0.00000140	0.00000151	NA	µg/L	0.00000151
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5/5/2022	0.000000236 J	0.00000113 J	0.00000136	NA	µg/L	0.00000136
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	5/5/2022	0.0000000704 U	0.000000153 U	0.000000188	NA	µg/L	0.000000188
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5/5/2022	0.0000000844 U	0.000000182 U	0.000000224	NA	µg/L	0.000000224
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5/5/2022	0.0000000249 U	0.0000000500 UJ	0.000000062	NA	µg/L	0.0000000624

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5/5/2022	0.0000000217 U	0.0000000415 UJ	0.000000052	NA	µg/L	0.0000000523
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	5/5/2022	0.000000149	0.000000700 J	0.000000849	NA	µg/L	0.000000849
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5/5/2022	0.0000000248 U	0.0000000485 UJ	0.000000061	NA	µg/L	0.0000000609
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	5/5/2022	0.000000201 U	0.000000289 U	0.000000390	NA	µg/L	0.000000390
AAP957	PCBs (as congeners)	Monochlorobiphenyl	E1668	5/5/2022	0.000000878	0.000000268	0.00000115	NA	µg/L	0.00000115
AAP957	PCBs (as congeners)	Nonachlorobiphenyl	E1668	5/5/2022	0.000000178 U	0.000000368	0.000000457	NA	µg/L	0.000000457
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000248 U	0.000000368	0.000000492	NA	µg/L	0.000000492
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5/5/2022	0.000000105 U	0.000000152 U	0.000000205	NA	µg/L	0.000000205
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5/5/2022	0.000000109 U	0.000000146 U	0.000000200	NA	µg/L	0.000000200
AAP957	PCBs (as congeners)	Octachlorobiphenyl	E1668	5/5/2022	0.000000389	0.00000209	0.00000248	NA	µg/L	0.00000248
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000919 U	0.000000685	0.000000731	NA	µg/L	0.000000731
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	5/5/2022	0.0000000956 J	0.000000304	0.000000400	NA	µg/L	0.000000400
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5/5/2022	0.0000000944 U	0.000000411 U	0.000000458	NA	µg/L	0.000000458
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	5/5/2022	0.0000000244 U	0.0000000870 U	0.000000099	NA	µg/L	0.0000000993
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5/5/2022	0.000000157	0.000000552	0.000000709	NA	µg/L	0.000000709
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5/5/2022	0.0000000290 J	0.0000000848 U	0.000000071	NA	µg/L	0.0000000714
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5/5/2022	0.0000000263 U	0.000000104 J	0.000000117	NA	µg/L	0.000000117
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5/5/2022	0.0000000360 J	0.000000149 J	0.000000185	NA	µg/L	0.000000185
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5/5/2022	0.0000000726 J	0.000000298 J	0.000000371	NA	µg/L	0.000000371
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	5/5/2022	0.0000000229 U	0.0000000807 U	0.000000092	NA	µg/L	0.0000000922
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5/5/2022	0.0000000833 U	0.000000361 U	0.000000403	NA	µg/L	0.000000403
AAP957	PCBs (as congeners)	PCB-167	E1668	5/5/2022	0.0000000804 U	0.000000381 J	0.000000422	NA	µg/L	0.000000422
AAP957	PCBs (as congeners)	PCB-82	E1668	5/5/2022	0.000000285 J	0.00000116	0.00000144	NA	µg/L	0.00000144
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	5/5/2022	0.000000167	0.000000544 J	0.000000711	NA	µg/L	0.000000711
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	5/5/2022	0.00000151	0.00000358	0.00000509	NA	µg/L	0.00000509
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	5/5/2022	0.000000489	0.00000146	0.00000195	NA	µg/L	0.00000195
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	5/5/2022	0.00000239	0.00000726	0.00000965	NA	µg/L	0.00000965
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	5/5/2022	0.00000374	0.0000113	0.0000150	NA	µg/L	0.0000150
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	5/5/2022	0.0000000522 U	0.000000130 U	0.000000156	NA	µg/L	0.000000156
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	5/5/2022	0.0000000600 U	0.000000135 U	0.000000165	NA	µg/L	0.000000165
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	5/5/2022	0.0000000459 U	0.000000132 U	0.000000155	NA	µg/L	0.000000155
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	5/5/2022	0.000000507	0.00000149	0.00000200	NA	µg/L	0.00000200
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	5/5/2022	0.000000678	0.00000215	0.00000283	NA	µg/L	0.00000283
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	5/5/2022	0.0000000626 U	0.000000159 U	0.000000190	NA	µg/L	0.000000190
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	5/5/2022	0.0000000541 U	0.000000140 U	0.000000167	NA	µg/L	0.000000167
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	5/5/2022	0.00000456	0.0000102	0.0000147	NA	µg/L	0.0000147
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5/5/2022	0.0000000407 J	0.0000000604 J	0.000000101	NA	µg/L	0.000000101
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	5/5/2022	0.000000981 J	0.00000324	0.00000422	NA	µg/L	0.00000422
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	5/5/2022	0.0000000830 J	0.000000209	0.000000291	NA	µg/L	0.000000291
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	5/5/2022	0.0000000515 U	0.000000129 U	0.000000155	NA	µg/L	0.000000155
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5/5/2022	0.0000000144 U	0.0000000173 U	0.000000025	NA	µg/L	0.0000000245
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	5/5/2022	0.000000763	0.00000327	0.00000404	NA	µg/L	0.00000404
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	5/5/2022	0.0000000904 J	0.000000325	0.000000416	NA	µg/L	0.000000416
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5/5/2022	0.0000000346 U	0.0000000904 U	0.000000108	NA	µg/L	0.000000108
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	5/5/2022	0.0000000496 U	0.000000105 U	0.000000130	NA	µg/L	0.000000130
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5/5/2022	0.000000113	0.000000526	0.000000639	NA	µg/L	0.000000639
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5/5/2022	0.00000334	0.00000974	0.0000131	NA	µg/L	0.0000131
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5/5/2022	0.0000000381 U	0.0000000959 U	0.000000115	NA	µg/L	0.000000115
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5/5/2022	0.0000000320 U	0.0000000833 U	0.000000099	NA	µg/L	0.0000000994
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	5/5/2022	0.0000000407 U	0.0000000841 U	0.000000104	NA	µg/L	0.000000104
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	5/5/2022	0.0000000363 U	0.000000122	0.000000140	NA	µg/L	0.000000140
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	5/5/2022	0.00000183	0.00000748	0.00000931	NA	µg/L	0.00000931

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5/5/2022	0.0000000327 U	0.0000000941 U	0.000000110	NA	µg/L	0.000000110
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5/5/2022	0.0000000306 U	0.0000000759 U	0.000000091	NA	µg/L	0.0000000912
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	5/5/2022	0.0000000600 J	0.000000249	0.000000309	NA	µg/L	0.000000309
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5/5/2022	0.0000000343 U	0.0000000870 U	0.000000104	NA	µg/L	0.000000104
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	5/5/2022	0.0000000504 U	0.0000000993 U	0.000000124	NA	µg/L	0.000000124
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5/5/2022	0.0000000369 U	0.0000000952 U	0.000000114	NA	µg/L	0.000000114
AAP957	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5/5/2022	0.00000352	0.00000548	0.00000900	NA	µg/L	0.00000900
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5/5/2022	0.0000309	0.0000281	0.0000590	NA	µg/L	0.0000590
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5/5/2022	0.00000177	0.00000121	0.00000299	NA	µg/L	0.00000299
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5/5/2022	0.00000116	0.000000815	0.00000197	NA	µg/L	0.00000197
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5/5/2022	0.000000578	0.000000430	0.00000101	NA	µg/L	0.00000101
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5/5/2022	0.00000559	0.00000393	0.00000952	NA	µg/L	0.00000952
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5/5/2022	0.000000142 J	0.0000000659 J	0.000000208	NA	µg/L	0.000000208
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5/5/2022	0.000000444	0.000000187	0.000000632	NA	µg/L	0.000000632
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5/5/2022	0.00000112	0.000000589	0.00000171	NA	µg/L	0.00000171
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5/5/2022	0.00000219	0.00000208	0.00000427	NA	µg/L	0.00000427
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5/5/2022	0.000000948	0.000000596	0.00000154	NA	µg/L	0.00000154
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5/5/2022	0.00000231	0.0000000552 U	0.00000234	NA	µg/L	0.00000234
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5/5/2022	0.000000800	0.000000422	0.00000122	NA	µg/L	0.00000122
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5/5/2022	0.00000519	0.00000656	0.0000117	NA	µg/L	0.0000117
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5/5/2022	0.0000000226 U	0.0000000370 U	0.000000048	NA	µg/L	0.0000000483
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5/5/2022	0.000000726	0.000000959	0.00000169	NA	µg/L	0.00000169
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	5/5/2022	0.0000000637 U	0.0000000800 U	0.000000112	NA	µg/L	0.000000112
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	5/5/2022	0.0000000619 U	0.0000000781 U	0.000000109	NA	µg/L	0.000000109
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5/5/2022	0.0000000696 U	0.0000000870 U	0.000000122	NA	µg/L	0.000000122
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5/5/2022	0.000000407	0.000000226	0.000000634	NA	µg/L	0.000000634
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5/5/2022	0.000000444 J	0.000000541	0.000000985	NA	µg/L	0.000000985
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	5/5/2022	0.00000133	0.00000201	0.00000334	NA	µg/L	0.00000334
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5/5/2022	0.0000000741 U	0.0000000959 U	0.000000133	NA	µg/L	0.000000133
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5/5/2022	0.000000353	0.0000000881 U	0.000000397	NA	µg/L	0.000000397
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	5/5/2022	0.0000000600 U	0.0000000770 U	0.000000107	NA	µg/L	0.000000107
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5/5/2022	0.00000170	0.00000151	0.00000321	NA	µg/L	0.00000321
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5/5/2022	0.0000000644 U	0.0000000841 U	0.000000116	NA	µg/L	0.000000116
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5/5/2022	0.0000000321 U	0.0000000441 U	0.000000060	NA	µg/L	0.0000000601
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	5/5/2022	0.000000170	0.000000389	0.000000559	NA	µg/L	0.000000559
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5/5/2022	0.0000000585 U	0.0000000744 U	0.000000104	NA	µg/L	0.000000104
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5/5/2022	0.0000000685 U	0.0000000863 U	0.000000121	NA	µg/L	0.000000121
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	5/5/2022	0.0000000648 U	0.0000000826 U	0.000000115	NA	µg/L	0.000000115
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	5/5/2022	0.0000000681 U	0.0000000856 U	0.000000120	NA	µg/L	0.000000120
AAP957	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5/5/2022	0.00000329	0.0000123	0.0000156	NA	µg/L	0.0000156
AAP957	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	5/5/2022	0.0000116	0.0000463	0.0000579	NA	µg/L	0.0000579
AAP957	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5/5/2022	0.0000216	0.0000644	0.0000861	NA	µg/L	0.0000861
AAP957	PCBs (as congeners)	Trichlorobiphenyl	E1668	5/5/2022	0.0000324	0.0000114	0.0000438	NA	µg/L	0.0000438
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5/5/2022	0.00000292	0.000000656	0.00000358	NA	µg/L	0.00000358
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5/5/2022	0.00000248	0.0000000519 U	0.00000251	NA	µg/L	0.00000251
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	5/5/2022	0.00000478	0.0000000353 U	0.00000480	NA	µg/L	0.00000480
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5/5/2022	0.000000689	0.0000000507 U	0.000000714	NA	µg/L	0.000000714
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5/5/2022	0.00000522	0.00000222	0.00000744	NA	µg/L	0.00000744
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5/5/2022	0.00000209	0.000000844	0.00000293	NA	µg/L	0.00000293
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5/5/2022	0.00000374	0.00000142	0.00000516	NA	µg/L	0.00000516
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5/5/2022	0.000000444	0.000000172	0.000000617	NA	µg/L	0.000000617
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5/5/2022	0.0000000541 U	0.0000000667 U	0.000000094	NA	µg/L	0.0000000937

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
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Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5/5/2022	0.0000000537 U	0.0000000670 U	0.000000094	NA	µg/L	0.0000000939
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5/5/2022	0.00000111	0.000000452	0.00000156	NA	µg/L	0.00000156
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	5/5/2022	0.0000000970 J	0.0000000353 U	0.000000115	NA	µg/L	0.000000115
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	5/5/2022	0.000000433	0.0000000364 U	0.000000452	NA	µg/L	0.000000452
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5/5/2022	0.00000474	0.00000201	0.00000676	NA	µg/L	0.00000676
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	5/5/2022	0.00000151	0.000000407	0.00000192	NA	µg/L	0.00000192
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5/5/2022	0.000000730	0.000000381	0.00000111	NA	µg/L	0.00000111
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5/5/2022	0.000000266	0.000000172	0.000000438	NA	µg/L	0.000000438
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5/5/2022	0.00000113	0.000000885	0.00000201	NA	µg/L	0.00000201
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5/5/2022	0.0000000485 U	0.0000000600 U	0.000000084	NA	µg/L	0.0000000843
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5/5/2022	0.0000000493 U	0.0000000611 U	0.000000086	NA	µg/L	0.0000000857
AAP957	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00018 J	0.00017 J	0.00035	6.4	pg/L	346
AAP957	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	10/21/2022	0.00000252	0.000000324	0.00000284	NA	µg/L	0.00000284
AAP957	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	10/21/2022	0.00000319	0.0000000839 U	0.00000324	NA	µg/L	0.00000324
AAP957	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	10/21/2022	0.0000278	0.00000646	0.0000343	NA	µg/L	0.0000343
AAP957	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	10/21/2022	0.00000261	0.0000000839 U	0.00000265	NA	µg/L	0.00000265
AAP957	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Dichlorobiphenyl	E1668	10/21/2022	0.000312	0.000103 J	0.000416	NA	µg/L	0.000416
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10/21/2022	0.0000822	0.0000000839 U	0.0000822	NA	µg/L	0.0000822
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10/21/2022	0.0000210	0.0000000839 UJ	0.0000211	NA	µg/L	0.0000211
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10/21/2022	0.0000730	0.0000000839 U	0.0000730	NA	µg/L	0.0000730
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10/21/2022	0.00000400	0.0000000839 U	0.00000405	NA	µg/L	0.00000405
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10/21/2022	0.00000662	0.0000000839 U	0.00000667	NA	µg/L	0.00000667
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	10/21/2022	0.00000403	0.000000218	0.00000425	NA	µg/L	0.00000425
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10/21/2022	0.00000342	0.000000252 U	0.00000355	NA	µg/L	0.00000355
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10/21/2022	0.000000906	0.0000112	0.0000121	NA	µg/L	0.0000121
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	10/21/2022	0.000000168 U	0.00000257 J	0.00000266	NA	µg/L	0.00000266
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	10/21/2022	0.0000000839 UJ	0.00000178	0.00000182	NA	µg/L	0.00000182
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10/21/2022	0.0000000839 U	0.00000927	0.00000931	NA	µg/L	0.00000931
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	10/21/2022	0.0000000839 U	0.00000499	0.00000503	NA	µg/L	0.00000503
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	10/21/2022	0.0000000839 U	0.00000117	0.00000121	NA	µg/L	0.00000121
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	10/21/2022	0.0000000839 U	0.00000195	0.00000199	NA	µg/L	0.00000199
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10/21/2022	0.0000000839 U	0.00000387	0.00000391	NA	µg/L	0.00000391
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10/21/2022	0.000000168 U	0.0000220	0.0000221	NA	µg/L	0.0000221
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	10/21/2022	0.0000000839 U	0.00000541	0.00000545	NA	µg/L	0.00000545
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	10/21/2022	0.0000000839 UJ	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10/21/2022	0.0000000839 U	0.00000851 J	0.00000855	NA	µg/L	0.00000855
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10/21/2022	0.000000170	0.00000203 J	0.00000220	NA	µg/L	0.00000220
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10/21/2022	0.000000168 U	0.00000658	0.00000667	NA	µg/L	0.00000667
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10/21/2022	0.0000000839 U	0.00000294	0.00000298	NA	µg/L	0.00000298

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10/21/2022	0.000000252	U	0.0000465		0.0000467	NA	µg/L	0.0000467
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	10/21/2022	0.0000000839	U	0.0000138		0.0000138	NA	µg/L	0.0000138
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10/21/2022	0.0000000839	UJ	0.000000482	J	0.000000524	NA	µg/L	0.000000524
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10/21/2022	0.0000000839	U	0.000000600		0.000000642	NA	µg/L	0.000000642
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10/21/2022	0.000000168	U	0.0000109		0.0000110	NA	µg/L	0.0000110
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10/21/2022	0.0000000839	U	0.00000232		0.00000236	NA	µg/L	0.00000236
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10/21/2022	0.0000000839	U	0.00000222		0.00000226	NA	µg/L	0.00000226
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	10/21/2022	0.000000168	UJ	0.000000474	J	0.000000558	NA	µg/L	0.000000558
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10/21/2022	0.0000000839	U	0.00000830		0.00000834	NA	µg/L	0.00000834
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10/21/2022	0.0000000839	U	0.00000482		0.00000486	NA	µg/L	0.00000486
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10/21/2022	0.0000000839	UJ	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10/21/2022	0.0000000839	U	0.00000174		0.00000178	NA	µg/L	0.00000178
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	10/21/2022	0.000000168	U	0.0000274		0.0000275	NA	µg/L	0.0000275
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	10/21/2022	0.000000168	U	0.0000293		0.0000294	NA	µg/L	0.0000294
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10/21/2022	0.0000000839	UJ	0.000000321	J	0.000000363	NA	µg/L	0.000000363
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	10/21/2022	0.000000168	UJ	0.00000558		0.00000566	NA	µg/L	0.00000566
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000839	U	0.00000520		0.00000524	NA	µg/L	0.00000524
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000839	U	0.00000520		0.00000524	NA	µg/L	0.00000524
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.0000000839	U	0.00000316		0.00000320	NA	µg/L	0.00000320
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Monochlorobiphenyl	E1668	10/21/2022	0.00000667		0.00000173		0.00000840	NA	µg/L	0.00000840
AAP957	PCBs (as congeners)	Nonachlorobiphenyl	E1668	10/21/2022	0.0000000839	U	0.00000397		0.00000401	NA	µg/L	0.00000401
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000839	U	0.00000292		0.00000296	NA	µg/L	0.00000296
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10/21/2022	0.0000000839	U	0.00000105		0.00000109	NA	µg/L	0.00000109
AAP957	PCBs (as congeners)	Octachlorobiphenyl	E1668	10/21/2022	0.00000227	J	0.0000241	J	0.0000264	NA	µg/L	0.0000264
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.000000249		0.00000532		0.00000557	NA	µg/L	0.00000557
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10/21/2022	0.000000361	J	0.00000351	J	0.00000387	NA	µg/L	0.00000387
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.0000000839	U	0.00000208		0.00000212	NA	µg/L	0.00000212
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	10/21/2022	0.000000696		0.00000654		0.00000724	NA	µg/L	0.00000724
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10/21/2022	0.000000114	J	0.000000658	J	0.000000772	NA	µg/L	0.000000772
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10/21/2022	0.000000214		0.000000872	J	0.00000109	NA	µg/L	0.00000109
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	10/21/2022	0.0000000839	UJ	0.00000121	J	0.00000125	NA	µg/L	0.00000125
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10/21/2022	0.000000375		0.00000388		0.00000425	NA	µg/L	0.00000425
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	PCB-167	E1668	10/21/2022	0.0000000839	UJ	0.00000185		0.00000190	NA	µg/L	0.00000190
AAP957	PCBs (as congeners)	PCB-82	E1668	10/21/2022	0.0000000839	U	0.00000313		0.00000317	NA	µg/L	0.00000317
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10/21/2022	0.0000000839	U	0.0000000839	UJ	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	10/21/2022	0.0000000839	U	0.0000000839	U	0.000000126	NA	µg/L	0.000000126

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	10/21/2022	0.000000252 U	0.00000398	0.00000410	NA	µg/L	0.00000410
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	10/21/2022	0.000000419 U	0.000000419 U	0.000000629	NA	µg/L	0.000000629
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	10/21/2022	0.000000252 U	0.000000252 U	0.000000377	NA	µg/L	0.000000377
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 UJ	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	10/21/2022	0.000000252 U	0.000000252 U	0.000000377	NA	µg/L	0.000000377
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10/21/2022	0.0000000839 U	0.0000151	0.0000151	NA	µg/L	0.0000151
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10/21/2022	0.000000168 U	0.000000918 J	0.00000100	NA	µg/L	0.00000100
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10/21/2022	0.0000000839 U	0.00000149	0.00000153	NA	µg/L	0.00000153
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	10/21/2022	0.0000000839 U	0.0000354	0.0000354	NA	µg/L	0.0000354
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10/21/2022	0.0000000839 U	0.000000407 J	0.000000449	NA	µg/L	0.000000449
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000241	0.0000242	NA	µg/L	0.0000242
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 UJ	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	10/21/2022	0.000000335 U	0.000000335 U	0.000000503	NA	µg/L	0.000000503
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10/21/2022	0.000159 J	0.0000922 J	0.000252	NA	µg/L	0.000252
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10/21/2022	0.00000809	0.000000252 U	0.00000822	NA	µg/L	0.00000822
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	10/21/2022	0.00000583	0.0000000839 U	0.00000587	NA	µg/L	0.00000587
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10/21/2022	0.00000253	0.00000145	0.00000398	NA	µg/L	0.00000398
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10/21/2022	0.0000292	0.000000252 U	0.0000294	NA	µg/L	0.0000294
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10/21/2022	0.000000889	0.0000000839 U	0.000000931	NA	µg/L	0.000000931
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	10/21/2022	0.00000378	0.0000000839 U	0.00000382	NA	µg/L	0.00000382
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	10/21/2022	0.00000843	0.0000000839 U	0.00000847	NA	µg/L	0.00000847
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10/21/2022	0.000000252 U	0.000000252 U	0.000000377	NA	µg/L	0.000000377
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10/21/2022	0.00000495	0.0000000839 U	0.00000499	NA	µg/L	0.00000499
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10/21/2022	0.0000106	0.0000000839 U	0.0000107	NA	µg/L	0.0000107
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10/21/2022	0.00000679	0.000000252 U	0.00000692	NA	µg/L	0.00000692
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10/21/2022	0.0000000839 U	0.00000375	0.00000379	NA	µg/L	0.00000379
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10/21/2022	0.000000161	0.0000000839 U	0.000000203	NA	µg/L	0.000000203
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10/21/2022	0.00000192	0.000000252 UJ	0.00000205	NA	µg/L	0.00000205
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	10/21/2022	0.00000163	0.00000243	0.00000405	NA	µg/L	0.00000405
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	10/21/2022	0.00000147	0.0000000839 U	0.00000151	NA	µg/L	0.00000151
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10/21/2022	0.0000000839 UJ	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10/21/2022	0.00000784	0.0000000839 U	0.00000788	NA	µg/L	0.00000788
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	10/21/2022	0.000000755	0.00000243	0.00000319	NA	µg/L	0.00000319
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10/21/2022	0.0000000839 U	0.000000316	0.000000358	NA	µg/L	0.000000358
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000104 J	0.0000746 J	0.0000850	NA	µg/L	0.0000850
AAP957	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	10/21/2022	0.0000382 J	0.000179 J	0.000218	NA	µg/L	0.000218
AAP957	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000952	0.000181 J	0.000276	NA	µg/L	0.000276
AAP957	PCBs (as congeners)	Trichlorobiphenyl	E1668	10/21/2022	0.000337	0.0000751 J	0.000412	NA	µg/L	0.000412
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	10/21/2022	0.0000369	0.0000000839 U	0.0000370	NA	µg/L	0.0000370
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10/21/2022	0.0000395	0.0000000839 UJ	0.0000395	NA	µg/L	0.0000395
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	10/21/2022	0.0000683	0.000000252 U	0.0000685	NA	µg/L	0.0000685
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10/21/2022	0.0000132	0.0000000839 U	0.0000133	NA	µg/L	0.0000133
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10/21/2022	0.0000474	0.0000151	0.0000625	NA	µg/L	0.0000625
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	10/21/2022	0.0000137	0.00000503	0.0000187	NA	µg/L	0.0000187
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10/21/2022	0.0000268	0.00000927	0.0000361	NA	µg/L	0.0000361
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	10/21/2022	0.00000364	0.0000000839 U	0.00000369	NA	µg/L	0.00000369
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.00000969	0.000000252 U	0.00000981	NA	µg/L	0.00000981
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10/21/2022	0.00000145	0.0000000839 U	0.00000149	NA	µg/L	0.00000149
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10/21/2022	0.00000671	0.0000000839 U	0.00000675	NA	µg/L	0.00000675
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	10/21/2022	0.0000408	0.0000129	0.0000537	NA	µg/L	0.0000537
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	10/21/2022	0.0000222	0.0000000839 U	0.0000222	NA	µg/L	0.0000222
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10/21/2022	0.0000000839 U	0.00000224	0.00000228	NA	µg/L	0.00000228
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	10/21/2022	0.0000000839 U	0.000000423 J	0.000000465	NA	µg/L	0.000000465
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10/21/2022	0.00000553	0.00000579	0.0000113	NA	µg/L	0.0000113
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10/21/2022	0.0000000839 U	0.0000000839 U	0.000000126	NA	µg/L	0.000000126
AAP957	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00067 J	0.00044 J	0.00111	6.4	pg/L	1,107
AAP957	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	3/9/2023	0.0000000912	0.0000000197 U	0.000000101	NA	µg/L	0.000000101
AAP957	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	3/9/2023	0.0000156 J	0.0000000128 U	0.0000156	NA	µg/L	0.0000156
AAP957	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	3/9/2023	0.00000971	0.000000396	0.0000101	NA	µg/L	0.0000101
AAP957	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3/9/2023	0.000000234	0.0000000635 J	0.000000297	NA	µg/L	0.000000297
AAP957	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3/9/2023	0.0000165	0.0000000117 U	0.0000165	NA	µg/L	0.0000165
AAP957	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3/9/2023	0.00000153	0.000000355	0.00000189	NA	µg/L	0.00000189
AAP957	PCBs (as congeners)	Dichlorobiphenyl	E1668	3/9/2023	0.000893	0.0000280	0.000921	NA	µg/L	0.000921
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	3/9/2023	0.000780 J	0.0000000199 U	0.000780	NA	µg/L	0.000780
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3/9/2023	0.00000163	0.0000000635 J	0.00000170	NA	µg/L	0.00000170
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3/9/2023	0.0000603	0.000000338	0.0000607	NA	µg/L	0.0000607
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3/9/2023	0.000000446	0.0000000187 U	0.000000456	NA	µg/L	0.000000456
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3/9/2023	0.000000667	0.0000000316 J	0.000000698	NA	µg/L	0.000000698
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3/9/2023	0.0000146	0.0000000134 U	0.0000147	NA	µg/L	0.0000147

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3/9/2023	0.0000267	0.0000270	0.0000537	NA	µg/L	0.0000537
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3/9/2023	0.000000875	0.0000000198 U	0.000000885	NA	µg/L	0.000000885
AAP957	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3/9/2023	0.0000000567 U	0.0000000196 U	0.000000048	NA	µg/L	0.0000000480
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	3/9/2023	0.000000314	0.00000148	0.00000179	NA	µg/L	0.00000179
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3/9/2023	0.000000136 J	0.000000476	0.000000612	NA	µg/L	0.000000612
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3/9/2023	0.0000000603 J	0.000000290	0.000000351	NA	µg/L	0.000000351
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3/9/2023	0.000000540	0.00000205	0.00000259	NA	µg/L	0.00000259
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3/9/2023	0.000000267	0.000000857 J	0.00000112	NA	µg/L	0.00000112
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3/9/2023	0.0000000255 U	0.000000133 U	0.000000146	NA	µg/L	0.000000146
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3/9/2023	0.000000105 J	0.000000150	0.000000255	NA	µg/L	0.000000255
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3/9/2023	0.000000146	0.000000204 J	0.000000351	NA	µg/L	0.000000351
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3/9/2023	0.000000307 J	0.000000452	0.000000759	NA	µg/L	0.000000759
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3/9/2023	0.000000853	0.00000317	0.00000402	NA	µg/L	0.00000402
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3/9/2023	0.0000000216 U	0.000000112 U	0.000000123	NA	µg/L	0.000000123
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3/9/2023	0.0000000225 U	0.000000117 U	0.000000128	NA	µg/L	0.000000128
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3/9/2023	0.000000405	0.00000107	0.00000147	NA	µg/L	0.00000147
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3/9/2023	0.00000000848 U	0.0000000165 U	0.000000021	NA	µg/L	0.0000000207
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	3/9/2023	0.0000000844 J	0.000000145 U	0.000000157	NA	µg/L	0.000000157
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3/9/2023	0.000000880	0.00000208	0.00000296	NA	µg/L	0.00000296
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3/9/2023	0.00000000757 U	0.0000000147 U	0.000000018	NA	µg/L	0.0000000185
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3/9/2023	0.00000000957 U	0.0000000185 U	0.000000023	NA	µg/L	0.0000000233
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000345 U	0.000000175 U	0.000000192	NA	µg/L	0.000000192
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3/9/2023	0.0000000223 U	0.000000111 U	0.000000122	NA	µg/L	0.000000122
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	3/9/2023	0.0000000203 U	0.000000106 U	0.000000116	NA	µg/L	0.000000116
AAP957	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3/9/2023	0.0000000176 U	0.0000000916 U	0.000000100	NA	µg/L	0.000000100
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	3/9/2023	0.000000329	0.00000108	0.00000141	NA	µg/L	0.00000141
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3/9/2023	0.000000120 J	0.000000339	0.000000459	NA	µg/L	0.000000459
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3/9/2023	0.00000222	0.00000553	0.00000776	NA	µg/L	0.00000776
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3/9/2023	0.000000762	0.00000191	0.00000268	NA	µg/L	0.00000268
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	3/9/2023	0.0000000370 J	0.0000000407 U	0.000000057	NA	µg/L	0.0000000574
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3/9/2023	0.0000000329 J	0.0000000357 U	0.000000051	NA	µg/L	0.0000000508
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3/9/2023	0.00000108	0.00000214	0.00000322	NA	µg/L	0.00000322
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3/9/2023	0.000000152	0.000000336 J	0.000000488	NA	µg/L	0.000000488
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3/9/2023	0.000000499	0.000000603	0.00000110	NA	µg/L	0.00000110
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	3/9/2023	0.000000116	0.0000000430 U	0.000000137	NA	µg/L	0.000000137
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3/9/2023	0.0000000689 J	0.0000000367 U	0.000000087	NA	µg/L	0.0000000873
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3/9/2023	0.000000437	0.00000158	0.00000202	NA	µg/L	0.00000202
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3/9/2023	0.000000295	0.000000739	0.00000103	NA	µg/L	0.00000103
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3/9/2023	0.00000000794 U	0.000000133	0.000000137	NA	µg/L	0.000000137
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	3/9/2023	0.00000000803 U	0.0000000407 U	0.000000045	NA	µg/L	0.0000000447
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3/9/2023	0.000000161	0.000000262	0.000000423	NA	µg/L	0.000000423
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3/9/2023	0.00000000735 U	0.0000000374 U	0.000000041	NA	µg/L	0.0000000411
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3/9/2023	0.00000217	0.00000453	0.00000669	NA	µg/L	0.00000669
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3/9/2023	0.00000000562 U	0.0000000159 U	0.000000019	NA	µg/L	0.0000000187
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3/9/2023	0.0000000141 J	0.0000000166 U	0.000000022	NA	µg/L	0.0000000224
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3/9/2023	0.00000000531 U	0.0000000151 U	0.000000018	NA	µg/L	0.0000000178
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3/9/2023	0.00000185	0.00000383	0.00000567	NA	µg/L	0.00000567
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3/9/2023	0.0000000444 J	0.0000000356 U	0.000000062	NA	µg/L	0.0000000623
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3/9/2023	0.00000000848 J	0.0000000167 U	0.000000017	NA	µg/L	0.0000000168
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	3/9/2023	0.000000229	0.000000875	0.00000110	NA	µg/L	0.00000110
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3/9/2023	0.000000226 J	0.000000540	0.000000766	NA	µg/L	0.000000766
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	3/9/2023	0.0000000318 U	0.000000239 U	0.000000255	NA	µg/L	0.000000255

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	3/9/2023	0.0000000373 U	0.000000281 U	0.000000299	NA	µg/L	0.000000299
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3/9/2023	0.00000000608 U	0.0000000308 U	0.000000034	NA	µg/L	0.0000000339
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3/9/2023	0.00000000544 U	0.0000000277 U	0.000000030	NA	µg/L	0.0000000304
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	3/9/2023	0.000000123	0.000000499	0.000000622	NA	µg/L	0.000000622
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3/9/2023	0.00000000617 U	0.0000000313 U	0.000000034	NA	µg/L	0.0000000344
AAP957	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000812 U	0.000000562 U	0.000000603	NA	µg/L	0.000000603
AAP957	PCBs (as congeners)	Monochlorobiphenyl	E1668	3/9/2023	0.0000323	0.000000157	0.0000324	NA	µg/L	0.0000324
AAP957	PCBs (as congeners)	Nonachlorobiphenyl	E1668	3/9/2023	0.000000221 J	0.000000553	0.000000774	NA	µg/L	0.000000774
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	3/9/2023	0.000000153	0.000000553	0.000000706	NA	µg/L	0.000000706
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	3/9/2023	0.0000000391 U	0.000000140 U	0.000000160	NA	µg/L	0.000000160
AAP957	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	3/9/2023	0.0000000685 J	0.000000150 U	0.000000144	NA	µg/L	0.000000144
AAP957	PCBs (as congeners)	Octachlorobiphenyl	E1668	3/9/2023	0.00000115 J	0.00000252 J	0.00000367	NA	µg/L	0.00000367
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	3/9/2023	0.000000113 J	0.000000712	0.000000825	NA	µg/L	0.000000825
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3/9/2023	0.000000134 J	0.000000271 J	0.000000405	NA	µg/L	0.000000405
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	3/9/2023	0.0000000685 J	0.000000250	0.000000319	NA	µg/L	0.000000319
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	3/9/2023	0.0000000218 U	0.0000000356 U	0.000000046	NA	µg/L	0.0000000465
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3/9/2023	0.000000271	0.000000512	0.000000784	NA	µg/L	0.000000784
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	3/9/2023	0.0000000707 J	0.000000103	0.000000174	NA	µg/L	0.000000174
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	3/9/2023	0.0000000975 J	0.000000131 J	0.000000228	NA	µg/L	0.000000228
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	3/9/2023	0.000000208	0.000000206	0.000000414	NA	µg/L	0.000000414
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	3/9/2023	0.000000189	0.000000332	0.000000521	NA	µg/L	0.000000521
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	3/9/2023	0.0000000220 U	0.0000000361 U	0.000000047	NA	µg/L	0.0000000471
AAP957	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000452 U	0.000000161 U	0.000000184	NA	µg/L	0.000000184
AAP957	PCBs (as congeners)	PCB-167	E1668	3/9/2023	0.0000000744 J	0.000000297 U	0.000000223	NA	µg/L	0.000000223
AAP957	PCBs (as congeners)	PCB-82	E1668	3/9/2023	0.000000216 J	0.000000531 J	0.000000746	NA	µg/L	0.000000746
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3/9/2023	0.000000164 J	0.000000156 U	0.000000242	NA	µg/L	0.000000242
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3/9/2023	0.00000109	0.00000121	0.00000230	NA	µg/L	0.00000230
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3/9/2023	0.000000384	0.000000503	0.000000888	NA	µg/L	0.000000888
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3/9/2023	0.00000239	0.00000312	0.00000551	NA	µg/L	0.00000551
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3/9/2023	0.00000364	0.00000454	0.00000818	NA	µg/L	0.00000818
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3/9/2023	0.0000000380 U	0.000000123 U	0.000000142	NA	µg/L	0.000000142
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3/9/2023	0.0000000427 U	0.000000138 U	0.000000160	NA	µg/L	0.000000160
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3/9/2023	0.0000000344 U	0.000000111 U	0.000000128	NA	µg/L	0.000000128
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3/9/2023	0.000000884	0.000000544	0.00000143	NA	µg/L	0.00000143
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3/9/2023	0.000000748	0.000000839	0.00000159	NA	µg/L	0.00000159
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3/9/2023	0.0000000463 U	0.000000150 U	0.000000173	NA	µg/L	0.000000173
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3/9/2023	0.000000178 J	0.000000136 U	0.000000246	NA	µg/L	0.000000246
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3/9/2023	0.00000454	0.00000367	0.00000820	NA	µg/L	0.00000820
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3/9/2023	0.000000154 J	0.0000000187 J	0.000000172	NA	µg/L	0.000000172
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3/9/2023	0.00000122	0.00000140	0.00000262	NA	µg/L	0.00000262
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3/9/2023	0.000000121	0.000000117 U	0.000000179	NA	µg/L	0.000000179
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3/9/2023	0.000000280 J	0.000000125 U	0.000000343	NA	µg/L	0.000000343
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3/9/2023	0.0000000307 J	0.00000000698 U	0.000000034	NA	µg/L	0.0000000342
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	3/9/2023	0.000000698	0.00000156	0.00000226	NA	µg/L	0.00000226
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	3/9/2023	0.0000000816 J	0.000000135 J	0.000000216	NA	µg/L	0.000000216
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	3/9/2023	0.0000000276 U	0.0000000893 U	0.000000103	NA	µg/L	0.000000103
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3/9/2023	0.0000000340 U	0.000000123 U	0.000000140	NA	µg/L	0.000000140
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	3/9/2023	0.000000134	0.000000147 J	0.000000281	NA	µg/L	0.000000281
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	3/9/2023	0.00000328	0.00000522	0.00000850	NA	µg/L	0.00000850
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	3/9/2023	0.0000000292 U	0.0000000943 U	0.000000109	NA	µg/L	0.000000109
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	3/9/2023	0.0000000263 U	0.0000000853 U	0.000000098	NA	µg/L	0.0000000984
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3/9/2023	0.0000000309 U	0.000000112 U	0.000000127	NA	µg/L	0.000000127

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	3/9/2023	0.0000000305 U	0.000000113 J	0.000000129	NA	µg/L	0.000000129
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3/9/2023	0.00000157	0.00000325	0.00000482	NA	µg/L	0.00000482
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	3/9/2023	0.0000000244 U	0.0000000789 U	0.000000091	NA	µg/L	0.0000000911
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	3/9/2023	0.0000000239 U	0.0000000776 U	0.000000090	NA	µg/L	0.0000000895
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	3/9/2023	0.000000128 J	0.000000105 U	0.000000181	NA	µg/L	0.000000181
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	3/9/2023	0.0000000266 U	0.0000000862 U	0.000000099	NA	µg/L	0.0000000995
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	3/9/2023	0.0000000420 U	0.000000227 U	0.000000248	NA	µg/L	0.000000248
AAP957	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	3/9/2023	0.0000000291 U	0.000000112 U	0.000000127	NA	µg/L	0.000000127
AAP957	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	3/9/2023	0.00000301	0.00000260	0.00000561	NA	µg/L	0.00000561
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3/9/2023	0.0000689 J	0.0000128 J	0.0000817	NA	µg/L	0.0000817
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	3/9/2023	0.00000195	0.000000739	0.00000269	NA	µg/L	0.00000269
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	3/9/2023	0.00000101	0.000000420	0.00000143	NA	µg/L	0.00000143
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	3/9/2023	0.000000314	0.000000117	0.000000431	NA	µg/L	0.000000431
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	3/9/2023	0.00000721	0.00000188	0.00000909	NA	µg/L	0.00000909
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	3/9/2023	0.000000142	0.0000000626 J	0.000000205	NA	µg/L	0.000000205
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	3/9/2023	0.000000889	0.0000000934	0.000000982	NA	µg/L	0.000000982
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	3/9/2023	0.000000526	0.000000188 J	0.000000714	NA	µg/L	0.000000714
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3/9/2023	0.00000667	0.000000880	0.00000755	NA	µg/L	0.00000755
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	3/9/2023	0.000000785	0.000000329	0.00000111	NA	µg/L	0.00000111
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	3/9/2023	0.00000476	0.000000111 J	0.00000487	NA	µg/L	0.00000487
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	3/9/2023	0.0000172	0.000000197	0.0000174	NA	µg/L	0.0000174
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3/9/2023	0.00000893	0.00000186	0.0000108	NA	µg/L	0.0000108
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3/9/2023	0.0000102	0.00000000730 U	0.0000103	NA	µg/L	0.0000103
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	3/9/2023	0.000000603	0.000000531	0.00000113	NA	µg/L	0.00000113
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	3/9/2023	0.0000000288 U	0.0000000943 U	0.000000109	NA	µg/L	0.000000109
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	3/9/2023	0.0000000282 U	0.0000000925 U	0.000000107	NA	µg/L	0.000000107
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	3/9/2023	0.0000000319 U	0.000000105 U	0.000000121	NA	µg/L	0.000000121
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3/9/2023	0.000000432	0.000000156 J	0.000000588	NA	µg/L	0.000000588
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	3/9/2023	0.000000330	0.000000350	0.000000680	NA	µg/L	0.000000680
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	3/9/2023	0.00000132	0.00000115	0.00000247	NA	µg/L	0.00000247
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	3/9/2023	0.0000000857 J	0.000000115 U	0.000000143	NA	µg/L	0.000000143
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	3/9/2023	0.000000658	0.000000105 U	0.000000710	NA	µg/L	0.000000710
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	3/9/2023	0.0000000639 J	0.0000000930 U	0.000000110	NA	µg/L	0.000000110
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3/9/2023	0.00000150	0.000000780	0.00000228	NA	µg/L	0.00000228
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	3/9/2023	0.0000000558 J	0.0000000989 U	0.000000105	NA	µg/L	0.000000105
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3/9/2023	0.000000219	0.0000000267 U	0.000000232	NA	µg/L	0.000000232
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	3/9/2023	0.000000184	0.000000322	0.000000506	NA	µg/L	0.000000506
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	3/9/2023	0.0000000224 J	0.0000000889 U	0.000000067	NA	µg/L	0.0000000668
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	3/9/2023	0.0000000318 U	0.000000104 U	0.000000120	NA	µg/L	0.000000120
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	3/9/2023	0.0000000301 U	0.0000000984 U	0.000000113	NA	µg/L	0.000000113
AAP957	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	3/9/2023	0.0000000374 U	0.000000122 U	0.000000141	NA	µg/L	0.000000141
AAP957	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3/9/2023	0.00000410 J	0.0000123 J	0.0000164	NA	µg/L	0.0000164
AAP957	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	3/9/2023	0.0000111 J	0.0000249 J	0.0000360	NA	µg/L	0.0000360
AAP957	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3/9/2023	0.0000220 J	0.0000268 J	0.0000487	NA	µg/L	0.0000487
AAP957	PCBs (as congeners)	Trichlorobiphenyl	E1668	3/9/2023	0.000287	0.00000698 J	0.000294	NA	µg/L	0.000294
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3/9/2023	0.00000658	0.000000339	0.00000691	NA	µg/L	0.00000691
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3/9/2023	0.0000176	0.000000323	0.0000179	NA	µg/L	0.0000179
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3/9/2023	0.0000235	0.000000553	0.0000241	NA	µg/L	0.0000241
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3/9/2023	0.000138	0.0000000146 UJ	0.000138	NA	µg/L	0.000138
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3/9/2023	0.00000798	0.00000117	0.00000916	NA	µg/L	0.00000916
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3/9/2023	0.00000225	0.000000428	0.00000268	NA	µg/L	0.00000268
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3/9/2023	0.00000391	0.000000735	0.00000464	NA	µg/L	0.00000464

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3/9/2023	0.00000125	0.0000000902 J	0.00000134	NA	µg/L	0.00000134
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3/9/2023	0.0000000503 U	0.0000000302 U	0.000000055	NA	µg/L	0.0000000554
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3/9/2023	0.0000000676 J	0.0000000297 U	0.000000082	NA	µg/L	0.0000000824
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3/9/2023	0.00000201	0.000000242	0.00000225	NA	µg/L	0.00000225
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3/9/2023	0.000000253	0.0000000105 U	0.000000258	NA	µg/L	0.000000258
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3/9/2023	0.0000106	0.0000000599 J	0.0000107	NA	µg/L	0.0000107
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3/9/2023	0.00000617	0.000000880	0.00000705	NA	µg/L	0.00000705
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3/9/2023	0.0000644	0.000000238	0.0000646	NA	µg/L	0.0000646
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3/9/2023	0.000000567	0.000000730	0.00000130	NA	µg/L	0.00000130
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3/9/2023	0.000000163	0.000000626	0.000000789	NA	µg/L	0.000000789
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3/9/2023	0.00000105	0.000000508	0.00000156	NA	µg/L	0.00000156
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3/9/2023	0.0000000454 U	0.0000000273 U	0.000000050	NA	µg/L	0.0000000500
AAP957	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3/9/2023	0.0000000458 U	0.0000000275 U	0.000000050	NA	µg/L	0.0000000504
AAP957	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00132 J	0.00012 J	0.00144	6.4	pg/L	1,443
AAP957	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.0000000357 J	0.00000131	0.00000135	NA	µg/L	0.00000135
AAP957	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.0000000957 J	0.000000319	0.000000415	NA	µg/L	0.000000415
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	5/5/2022	0.0000000689 J	0.00000291	0.00000298	NA	µg/L	0.00000298
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	10/21/2022	0.000000252	0.00000162	0.00000187	NA	µg/L	0.00000187
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	3/9/2023	0.000000104 J	0.00000145	0.00000156	NA	µg/L	0.00000156
AAM107	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000406	0.0000284	0.0000289	NA	µg/L	0.0000289
AAM107	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.000000762	0.0000258	0.0000265	NA	µg/L	0.0000265
AAM107	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000662 R	0.00000242	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000437	0.0000211	0.0000215	NA	µg/L	0.0000215
AAM131	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.00000165	0.000110	0.000111	NA	µg/L	0.000111
AAM131	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.0000000104 U	0.0000241	0.0000241	NA	µg/L	0.0000241
AAM169	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000906	0.0000116	0.0000125	NA	µg/L	0.0000125
AAM169	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.00000166	0.0000145	0.0000162	NA	µg/L	0.0000162
AAM169	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000222	0.00000882	0.00000904	NA	µg/L	0.00000904
AAP957	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000243	0.00000411	0.00000435	NA	µg/L	0.00000435
AAP957	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.00000156	0.0000478	0.0000494	NA	µg/L	0.0000494
AAP957	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.000000762	0.00000371	0.00000448	NA	µg/L	0.00000448
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.000000480	0.0000374	0.0000378	NA	µg/L	0.0000378
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.00000314	0.0000380	0.0000411	NA	µg/L	0.0000411
AAQ005	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	3/9/2023	0.00000108 J	0.0000228	0.0000239	NA	µg/L	0.0000239
AAM107	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.000000267 U	0.00000000609 U	0.000000139	NA	µg/L	0.000000139
AAM131	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.00000000754 U	0.000000549 J	0.000000553	NA	µg/L	0.000000553
AAM169	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.00000000681 U	0.00000000842 U	0.000000012	NA	µg/L	0.0000000118
AAP957	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000192 U	0.00000000853 U	0.000000018	NA	µg/L	0.0000000181
AAQ005	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	3/9/2023	0.0000000153 U	0.000000142 J	0.000000150	NA	µg/L	0.000000150
AAP957	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	5/5/2022	0.0000000163 J	0.0000000311 J	0.000000047	NA	µg/L	0.0000000474
AAM107	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000227 U	0.00000000748 U	0.000000121	NA	µg/L	0.000000121
AAM131	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.00000000662 U	0.000000183 J	0.000000187	NA	µg/L	0.000000187
AAM169	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.00000000885 U	0.0000000538 J	0.000000058	NA	µg/L	0.0000000582
AAP957	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000161 U	0.0000000110 U	0.000000019	NA	µg/L	0.0000000190
AAQ005	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000254 U	0.0000000215 U	0.000000034	NA	µg/L	0.0000000342
AAM107	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	5/5/2022	0.00000000738 U	0.000000392 J	0.000000396	NA	µg/L	0.000000396
AAM107	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	10/21/2022	0.000000104 U	0.000000204 J	0.000000255	NA	µg/L	0.000000255
AAM131	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	5/5/2022	0.00000000826 U	0.000000737 J	0.000000741	NA	µg/L	0.000000741
AAM131	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	10/21/2022	0.0000000242 J	0.00000116 J	0.00000118	NA	µg/L	0.00000118
AAM169	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	5/5/2022	0.00000000540 U	0.000000164 J	0.000000167	NA	µg/L	0.000000167
AAM169	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	10/21/2022	0.0000000998 U	0.0000000998 U	0.000000150	NA	µg/L	0.000000150
AAP957	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	5/5/2022	0.00000000826 U	0.0000000707 J	0.000000075	NA	µg/L	0.0000000749

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAP957	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	10/21/2022	0.000000105	U	0.000000642	J	0.000000694	NA	µg/L	0.000000694
AAQ005	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	5/5/2022	0.00000000515	U	0.000000618	J	0.000000621	NA	µg/L	0.000000621
AAQ005	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	10/21/2022	0.0000000992	U	0.000000421	J	0.000000470	NA	µg/L	0.000000470
AAM107	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5/5/2022	0.0000000126	U	0.0000000498		0.000000056	NA	µg/L	0.0000000561
AAM107	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	10/21/2022	0.000000104	U	0.0000000687		0.000000120	NA	µg/L	0.000000120
AAM131	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5/5/2022	0.0000000149	U	0.000000448	J	0.000000456	NA	µg/L	0.000000456
AAM131	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	10/21/2022	0.0000000921	U	0.000000438	J	0.000000484	NA	µg/L	0.000000484
AAM169	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5/5/2022	0.00000000926	U	0.0000000337	J	0.000000038	NA	µg/L	0.0000000383
AAM169	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	10/21/2022	0.0000000998	U	0.0000000998	U	0.000000150	NA	µg/L	0.000000150
AAP957	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5/5/2022	0.0000000108	U	0.0000000101	U	0.000000016	NA	µg/L	0.0000000156
AAP957	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	10/21/2022	0.000000105	U	0.000000228	J	0.000000281	NA	µg/L	0.000000281
AAQ005	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	5/5/2022	0.00000000863	U	0.000000300	J	0.000000305	NA	µg/L	0.000000305
AAQ005	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	10/21/2022	0.0000000992	U	0.000000119		0.000000169	NA	µg/L	0.000000169
AAP957	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10/21/2022	0.000000106	J	0.000000201	J	0.000000307	NA	µg/L	0.000000307
AAM107	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	5/5/2022	0.00000000742	U	0.0000000272	J	0.000000031	NA	µg/L	0.0000000309
AAM107	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	10/21/2022	0.000000104	U	0.0000000147	J	0.000000066	NA	µg/L	0.0000000664
AAM107	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3/9/2023	0.000000272	R	0.00000000633	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	5/5/2022	0.00000000815	U	0.0000000541	J	0.000000058	NA	µg/L	0.0000000581
AAM131	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	10/21/2022	0.0000000921	U	0.0000000895	J	0.000000136	NA	µg/L	0.000000136
AAM131	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3/9/2023	0.00000000754	U	0.0000000462	J	0.000000050	NA	µg/L	0.0000000500
AAM169	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	5/5/2022	0.00000000534	U	0.00000000896	U	0.000000012	NA	µg/L	0.0000000116
AAM169	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	10/21/2022	0.0000000998	U	0.0000000998	U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3/9/2023	0.00000000663	U	0.00000000864	U	0.000000012	NA	µg/L	0.0000000120
AAP957	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	5/5/2022	0.00000000848	U	0.00000000496	U	0.00000000920	NA	µg/L	0.00000000920
AAP957	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	10/21/2022	0.000000105	U	0.0000000465	J	0.000000099	NA	µg/L	0.0000000990
AAP957	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3/9/2023	0.0000000196	U	0.00000000830	U	0.000000018	NA	µg/L	0.0000000181
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	5/5/2022	0.00000000506	U	0.0000000515	J	0.000000054	NA	µg/L	0.0000000541
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	10/21/2022	0.0000000992	U	0.0000000348	J	0.000000084	NA	µg/L	0.0000000844
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	3/9/2023	0.0000000157	U	0.0000000203	U	0.000000028	NA	µg/L	0.0000000281
AAM107	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5/5/2022	0.0000000126	U	0.0000000498	J	0.000000056	NA	µg/L	0.0000000561
AAM107	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	10/21/2022	0.000000104	U	0.0000000229	J	0.000000075	NA	µg/L	0.0000000747
AAM107	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3/9/2023	0.000000227	R	0.00000000748	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5/5/2022	0.0000000149	U	0.0000000526	J	0.000000060	NA	µg/L	0.0000000600
AAM131	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	10/21/2022	0.0000000921	U	0.0000000645	J	0.000000110	NA	µg/L	0.000000110
AAM131	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3/9/2023	0.00000000662	U	0.0000000440	J	0.000000047	NA	µg/L	0.0000000473
AAM169	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5/5/2022	0.00000000926	U	0.0000000337	J	0.000000038	NA	µg/L	0.0000000383
AAM169	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	10/21/2022	0.0000000998	U	0.0000000998	U	0.000000150	NA	µg/L	0.000000150
AAM169	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3/9/2023	0.00000000885	U	0.00000000957	U	0.000000014	NA	µg/L	0.0000000140
AAP957	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5/5/2022	0.0000000108	U	0.0000000101	U	0.000000016	NA	µg/L	0.0000000156
AAP957	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	3/9/2023	0.0000000385	J	0.0000000272	J	0.000000066	NA	µg/L	0.0000000658
AAQ005	O/P	2,4'-DDD	E1699M	5/5/2022	0.00000544	U	0.00000364	U	0.00000636	NA	µg/L	0.00000636
AAQ005	O/P	P,P'-DDD	E1699M	5/5/2022	0.00000641	U	0.00000837		0.0000116	NA	µg/L	0.0000116
AAQ005	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000641	U	0.0000102		0.0000134	0.031	ng/L	0.0134
AAQ005	O/P	O,P'-DDE	E1699M	5/5/2022	0.00000602	U	0.00000244	U	0.00000546	NA	µg/L	0.00000546
AAQ005	O/P	P,P'-DDE	E1699M	5/5/2022	0.00000689	U	0.0000246		0.0000281	NA	µg/L	0.0000281
AAQ005	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00000689	U	0.0000259		0.0000293	0.018	ng/L	0.0293
AAQ005	O/P	O,P'-DDT	E1699M	5/5/2022	0.0000125	U	0.0000166		0.0000228	NA	µg/L	0.0000228
AAQ005	O/P	P,P'-DDT	E1699M	5/5/2022	0.0000170	UJ	0.0000773		0.0000858	NA	µg/L	0.0000858
AAQ005	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000170	U	0.0000937		0.000102	0.022	ng/L	0.102
AAQ005	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.0000170	U	0.000130		0.000138	10	ng/L	0.138
AAQ005	O/P	2,4'-DDD	E1699M	10/21/2022	0.00000192	J	0.00000468	J	0.00000660	NA	µg/L	0.00000660
AAQ005	O/P	P,P'-DDD	E1699M	10/21/2022	0.00000342	J	0.0000119		0.0000153	NA	µg/L	0.0000153

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000536		0.0000165		0.0000219	0.031	ng/L	0.0219
AAQ005	O/P	O,P'-DDE	E1699M	10/21/2022	0.00000397	U	0.00000397	U	0.00000595	NA	µg/L	0.00000595
AAQ005	O/P	P,P'-DDE	E1699M	10/21/2022	0.00000397	U	0.0000216		0.0000236	NA	µg/L	0.0000236
AAQ005	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00000397	U	0.0000236		0.0000256	0.018	ng/L	0.0256
AAQ005	O/P	O,P'-DDT	E1699M	10/21/2022	0.00000324	J	0.0000153		0.0000185	NA	µg/L	0.0000185
AAQ005	O/P	P,P'-DDT	E1699M	10/21/2022	0.0000108		0.0000583		0.0000691	NA	µg/L	0.0000691
AAQ005	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000140		0.0000738		0.0000878	0.022	ng/L	0.0878
AAQ005	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.0000233		0.000114		0.000137	10	ng/L	0.137
AAQ005	O/P	2,4'-DDD	E1699	3/9/2023	0.00000901	U	0.00000142	J	0.00000592	NA	µg/L	0.00000592
AAQ005	O/P	P,P'-DDD	E1699	3/9/2023	0.00000100	J	0.00000298	J	0.00000399	NA	µg/L	0.00000399
AAQ005	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000550		0.00000440		0.00000990	0.031	ng/L	0.00990
AAQ005	O/P	O,P'-DDE	E1699	3/9/2023	0.00000450	U	0.00000450	U	0.00000676	NA	µg/L	0.00000676
AAQ005	O/P	P,P'-DDE	E1699	3/9/2023	0.00000163	J	0.00000995		0.0000116	NA	µg/L	0.0000116
AAQ005	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000388		0.0000122		0.0000161	0.018	ng/L	0.0161
AAQ005	O/P	O,P'-DDT	E1699	3/9/2023	0.00000172	J	0.00000626	J	0.00000798	NA	µg/L	0.00000798
AAQ005	O/P	P,P'-DDT	E1699	3/9/2023	0.00000527	J	0.0000221		0.0000274	NA	µg/L	0.0000274
AAQ005	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00000698		0.0000284		0.0000354	0.022	ng/L	0.0354
AAQ005	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.0000164		0.0000450		0.0000614	10	ng/L	0.0614
AAQ005	O/P	DIELDRIN	E1699M	5/5/2022	0.0000167	J	0.0000152		0.0000319	NA	µg/L	0.0000319
AAQ005	O/P	DIELDRIN	E1699M	10/21/2022	0.0000255		0.00000397	UJ	0.0000275	NA	µg/L	0.0000275
AAQ005	O/P	DIELDRIN	E1699	3/9/2023	0.0000127		0.00000527	J	0.0000180	NA	µg/L	0.0000180
AAQ005	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	5/5/2022	0.0000000438	J	0.0000000435	J	0.000000087	NA	µg/L	0.0000000873
AAQ005	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	5/5/2022	0.0000000412	U	0.0000000178	U	0.000000038	NA	µg/L	0.0000000384
AAQ005	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	5/5/2022	0.000000818		0.00000157		0.00000239	NA	µg/L	0.00000239
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	5/5/2022	0.0000000231	U	0.0000000171	U	0.000000029	NA	µg/L	0.0000000287
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	5/5/2022	0.0000000254	U	0.0000000194	U	0.000000032	NA	µg/L	0.0000000321
AAQ005	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	5/5/2022	0.0000000676	UJ	0.00000163		0.00000166	NA	µg/L	0.00000166
AAQ005	PCBs (as congeners)	Dichlorobiphenyl	E1668	5/5/2022	0.0000289		0.0000519		0.0000807	NA	µg/L	0.0000807
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	5/5/2022	0.000000995		0.0000000158	U	0.00000100	NA	µg/L	0.00000100
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	5/5/2022	0.000000361		0.000000399		0.000000760	NA	µg/L	0.000000760
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	5/5/2022	0.00000168		0.00000159		0.00000328	NA	µg/L	0.00000328
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	5/5/2022	0.0000000322	U	0.0000000341	UJ	0.000000050	NA	µg/L	0.0000000502
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	5/5/2022	0.000000134		0.000000110		0.000000244	NA	µg/L	0.000000244
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	5/5/2022	0.0000000615	J	0.0000000390	J	0.000000100	NA	µg/L	0.000000100
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	5/5/2022	0.0000000281	U	0.0000470		0.0000470	NA	µg/L	0.0000470
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	5/5/2022	0.0000000313	U	0.000000367		0.000000383	NA	µg/L	0.000000383
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	5/5/2022	0.0000000313	U	0.0000000335	U	0.000000049	NA	µg/L	0.0000000491
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	5/5/2022	0.000000308	J	0.00000795		0.00000826	NA	µg/L	0.00000826
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	5/5/2022	0.0000000953	J	0.00000191		0.00000201	NA	µg/L	0.00000201
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	5/5/2022	0.0000000628	J	0.00000118		0.00000124	NA	µg/L	0.00000124
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	5/5/2022	0.000000409	J	0.00000886		0.00000927	NA	µg/L	0.00000927
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	5/5/2022	0.000000190	J	0.00000467		0.00000486	NA	µg/L	0.00000486
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	5/5/2022	0.0000000311	U	0.000000341	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	5/5/2022	0.0000000576	J	0.000000589	J	0.000000647	NA	µg/L	0.000000647
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	5/5/2022	0.000000106		0.000000966		0.00000107	NA	µg/L	0.00000107
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	5/5/2022	0.000000204		0.00000182		0.00000203	NA	µg/L	0.00000203
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	5/5/2022	0.000000689		0.0000152		0.0000159	NA	µg/L	0.0000159
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	5/5/2022	0.0000000258	U	0.000000738		0.000000750	NA	µg/L	0.000000750
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	5/5/2022	0.0000000277	U	0.000000317	U	0.000000331	NA	µg/L	0.000000331
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	5/5/2022	0.000000267		0.00000204		0.00000231	NA	µg/L	0.00000231
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	5/5/2022	0.00000000998	U	0.0000000444	U	0.000000049	NA	µg/L	0.0000000494
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	5/5/2022	0.0000000612	J	0.00000205	J	0.00000212	NA	µg/L	0.00000212

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	5/5/2022	0.000000525	0.00000757	0.00000809	NA	µg/L	0.00000809
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	5/5/2022	0.00000000882 U	0.0000000412 U	0.000000046	NA	µg/L	0.0000000456
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	5/5/2022	0.00000000973 U	0.0000000461 U	0.000000051	NA	µg/L	0.0000000509
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000461 U	0.000000531 U	0.000000554	NA	µg/L	0.000000554
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	5/5/2022	0.0000000210 U	0.00000136	0.00000137	NA	µg/L	0.00000137
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	5/5/2022	0.0000000244 U	0.000000292 U	0.000000304	NA	µg/L	0.000000304
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	5/5/2022	0.0000000216 U	0.000000254 U	0.000000265	NA	µg/L	0.000000265
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	5/5/2022	0.000000249	0.00000522	0.00000547	NA	µg/L	0.00000547
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	5/5/2022	0.0000000908 J	0.00000131	0.00000140	NA	µg/L	0.00000140
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	5/5/2022	0.00000176	0.0000292	0.0000309	NA	µg/L	0.0000309
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	5/5/2022	0.000000673	0.0000118	0.0000124	NA	µg/L	0.0000124
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	5/5/2022	0.0000000383 U	0.000000551	0.000000570	NA	µg/L	0.000000570
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	5/5/2022	0.0000000329 U	0.000000133 U	0.000000149	NA	µg/L	0.000000149
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	5/5/2022	0.000000812	0.0000103	0.0000111	NA	µg/L	0.0000111
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	5/5/2022	0.0000000415 U	0.00000464	0.00000466	NA	µg/L	0.00000466
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	5/5/2022	0.000000329	0.00000261 J	0.00000294	NA	µg/L	0.00000294
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	5/5/2022	0.0000000345 U	0.00000147	0.00000149	NA	µg/L	0.00000149
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	5/5/2022	0.0000000310 U	0.000000467	0.000000482	NA	µg/L	0.000000482
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	5/5/2022	0.000000428	0.00000705	0.00000748	NA	µg/L	0.00000748
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	5/5/2022	0.000000169 J	0.00000312	0.00000329	NA	µg/L	0.00000329
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	5/5/2022	0.000000113	0.000000374 J	0.000000486	NA	µg/L	0.000000486
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	5/5/2022	0.0000000377 U	0.000000158 U	0.000000177	NA	µg/L	0.000000177
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	5/5/2022	0.000000102 J	0.00000152	0.00000162	NA	µg/L	0.00000162
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	5/5/2022	0.0000000332 U	0.000000135 U	0.000000152	NA	µg/L	0.000000152
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	5/5/2022	0.00000173	0.0000210	0.0000227	NA	µg/L	0.0000227
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	5/5/2022	0.0000000195 U	0.0000000490 U	0.000000059	NA	µg/L	0.0000000587
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	5/5/2022	0.0000000207 U	0.0000000531 U	0.000000063	NA	µg/L	0.0000000635
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	5/5/2022	0.0000000181 U	0.0000000457 U	0.000000055	NA	µg/L	0.0000000548
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	5/5/2022	0.00000128	0.0000171	0.0000184	NA	µg/L	0.0000184
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	5/5/2022	0.0000000310 U	0.000000243 J	0.000000259	NA	µg/L	0.000000259
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	5/5/2022	0.0000000178 U	0.0000000464 U	0.000000055	NA	µg/L	0.0000000553
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	5/5/2022	0.000000184 U	0.00000312	0.00000322	NA	µg/L	0.00000322
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	5/5/2022	0.000000177 J	0.00000301	0.00000319	NA	µg/L	0.00000319
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	5/5/2022	0.0000000509 U	0.000000605 U	0.000000631	NA	µg/L	0.000000631
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	5/5/2022	0.0000000605 U	0.000000728 U	0.000000758	NA	µg/L	0.000000758
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	5/5/2022	0.0000000275 U	0.000000110 U	0.000000123	NA	µg/L	0.000000123
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	5/5/2022	0.0000000239 U	0.000000348	0.000000360	NA	µg/L	0.000000360
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	5/5/2022	0.000000109	0.00000253	0.00000264	NA	µg/L	0.00000264
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	5/5/2022	0.0000000274 U	0.000000113 U	0.000000127	NA	µg/L	0.000000127
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	5/5/2022	0.000000137 U	0.00000102 UJ	0.00000109	NA	µg/L	0.00000109
AAQ005	PCBs (as congeners)	Monochlorobiphenyl	E1668	5/5/2022	0.000000908	0.000000535	0.00000144	NA	µg/L	0.00000144
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl	E1668	5/5/2022	0.000000127 U	0.00000170	0.00000176	NA	µg/L	0.00000176
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	5/5/2022	0.000000179 U	0.00000170	0.00000179	NA	µg/L	0.00000179
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	5/5/2022	0.0000000718 U	0.000000263 U	0.000000299	NA	µg/L	0.000000299
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	5/5/2022	0.0000000744 U	0.000000244 U	0.000000281	NA	µg/L	0.000000281
AAQ005	PCBs (as congeners)	Octachlorobiphenyl	E1668	5/5/2022	0.000000444	0.0000121	0.0000125	NA	µg/L	0.0000125
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	5/5/2022	0.0000000821 J	0.00000299	0.00000307	NA	µg/L	0.00000307
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	5/5/2022	0.0000000634 J	0.00000160	0.00000166	NA	µg/L	0.00000166
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	5/5/2022	0.0000000448 J	0.000000805	0.000000850	NA	µg/L	0.000000850
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	5/5/2022	0.0000000151 U	0.000000121 U	0.000000129	NA	µg/L	0.000000129
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	5/5/2022	0.0000000718 J	0.00000318	0.00000325	NA	µg/L	0.00000325
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	5/5/2022	0.0000000229 J	0.000000126 U	0.000000086	NA	µg/L	0.0000000860

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	5/5/2022	0.0000000287 J	0.000000451 J	0.000000480	NA	µg/L	0.000000480
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	5/5/2022	0.0000000486 J	0.000000699	0.000000748	NA	µg/L	0.000000748
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	5/5/2022	0.0000000837	0.00000235	0.00000243	NA	µg/L	0.00000243
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	5/5/2022	0.0000000142 U	0.000000116 U	0.000000123	NA	µg/L	0.000000123
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	5/5/2022	0.0000000651 U	0.000000506 U	0.000000538	NA	µg/L	0.000000538
AAQ005	PCBs (as congeners)	PCB-167	E1668	5/5/2022	0.0000000580 U	0.00000117	0.00000120	NA	µg/L	0.00000120
AAQ005	PCBs (as congeners)	PCB-82	E1668	5/5/2022	0.000000153	0.00000236	0.00000252	NA	µg/L	0.00000252
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	5/5/2022	0.0000000647	0.00000121	0.00000128	NA	µg/L	0.00000128
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	5/5/2022	0.000000754	0.00000792	0.00000868	NA	µg/L	0.00000868
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	5/5/2022	0.000000274	0.00000238	0.00000265	NA	µg/L	0.00000265
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	5/5/2022	0.00000125	0.0000149	0.0000161	NA	µg/L	0.0000161
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	5/5/2022	0.00000202	0.0000227	0.0000247	NA	µg/L	0.0000247
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	5/5/2022	0.0000000544 U	0.000000280 J	0.000000307	NA	µg/L	0.000000307
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	5/5/2022	0.0000000625 U	0.00000250	0.00000253	NA	µg/L	0.00000253
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	5/5/2022	0.0000000480 U	0.000000210 U	0.000000234	NA	µg/L	0.000000234
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	5/5/2022	0.000000221 J	0.000000625	0.000000845	NA	µg/L	0.000000845
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	5/5/2022	0.000000325	0.00000457	0.00000490	NA	µg/L	0.00000490
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	5/5/2022	0.0000000651 U	0.000000273 U	0.000000306	NA	µg/L	0.000000306
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	5/5/2022	0.0000000564 U	0.000000239 U	0.000000267	NA	µg/L	0.000000267
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	5/5/2022	0.00000219	0.0000235	0.0000257	NA	µg/L	0.0000257
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	5/5/2022	0.0000000125 U	0.0000000205 U	0.000000027	NA	µg/L	0.0000000268
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	5/5/2022	0.000000586	0.00000657	0.00000716	NA	µg/L	0.00000716
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	5/5/2022	0.0000000496 U	0.000000651	0.000000675	NA	µg/L	0.000000675
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	5/5/2022	0.0000000538 U	0.000000225 U	0.000000252	NA	µg/L	0.000000252
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	5/5/2022	0.0000000122 U	0.0000000205 U	0.000000027	NA	µg/L	0.0000000266
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	5/5/2022	0.000000544	0.00000696	0.00000750	NA	µg/L	0.00000750
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	5/5/2022	0.0000000406 J	0.000000615	0.000000656	NA	µg/L	0.000000656
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	5/5/2022	0.0000000361 U	0.000000161 U	0.000000179	NA	µg/L	0.000000179
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	5/5/2022	0.0000000454 U	0.000000263 U	0.000000286	NA	µg/L	0.000000286
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	5/5/2022	0.0000000728 J	0.000000718	0.000000791	NA	µg/L	0.000000791
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	5/5/2022	0.00000203	0.0000237	0.0000257	NA	µg/L	0.0000257
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	5/5/2022	0.0000000399 U	0.000000167 U	0.000000187	NA	µg/L	0.000000187
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	5/5/2022	0.0000000335 U	0.000000179 J	0.000000195	NA	µg/L	0.000000195
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	5/5/2022	0.0000000374 U	0.000000216 U	0.000000235	NA	µg/L	0.000000235
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	5/5/2022	0.0000000380 U	0.000000519	0.000000538	NA	µg/L	0.000000538
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	5/5/2022	0.00000112	0.0000133	0.0000145	NA	µg/L	0.0000145
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	5/5/2022	0.0000000341 U	0.000000153 U	0.000000170	NA	µg/L	0.000000170
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	5/5/2022	0.0000000319 U	0.000000136 U	0.000000152	NA	µg/L	0.000000152
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	5/5/2022	0.0000000399 J	0.000000186 U	0.000000133	NA	µg/L	0.000000133
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	5/5/2022	0.0000000357 U	0.000000151 U	0.000000169	NA	µg/L	0.000000169
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	5/5/2022	0.0000000415 U	0.000000551 U	0.000000571	NA	µg/L	0.000000571
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	5/5/2022	0.0000000396 U	0.000000282 U	0.000000302	NA	µg/L	0.000000302
AAQ005	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	5/5/2022	0.00000181	0.0000121	0.0000139	NA	µg/L	0.0000139
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	5/5/2022	0.0000153	0.0000667	0.0000820	NA	µg/L	0.0000820
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	5/5/2022	0.000000699	0.00000380	0.00000450	NA	µg/L	0.00000450
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	5/5/2022	0.000000406	0.00000237	0.00000278	NA	µg/L	0.00000278
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	5/5/2022	0.000000231	0.000000831	0.00000106	NA	µg/L	0.00000106
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	5/5/2022	0.00000256	0.0000100	0.0000126	NA	µg/L	0.0000126
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	5/5/2022	0.0000000354 U	0.000000321	0.000000339	NA	µg/L	0.000000339
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	5/5/2022	0.000000176	0.000000551	0.000000726	NA	µg/L	0.000000726
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	5/5/2022	0.0000000438 U	0.00000120	0.00000122	NA	µg/L	0.00000122
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	5/5/2022	0.000000853	0.00000467	0.00000552	NA	µg/L	0.00000552

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	5/5/2022	0.000000308	0.00000168	0.00000199	NA	µg/L	0.00000199
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	5/5/2022	0.00000341	0.000000989	0.00000440	NA	µg/L	0.00000440
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	5/5/2022	0.000000286	0.00000115	0.00000143	NA	µg/L	0.00000143
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	5/5/2022	0.00000210	0.0000113	0.0000134	NA	µg/L	0.0000134
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	5/5/2022	0.0000000173 U	0.0000000278 U	0.000000036	NA	µg/L	0.0000000365
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	5/5/2022	0.000000370	0.00000238	0.00000275	NA	µg/L	0.00000275
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	5/5/2022	0.0000000470 U	0.000000135	0.000000158	NA	µg/L	0.000000158
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	5/5/2022	0.0000000454 U	0.000000187 U	0.000000210	NA	µg/L	0.000000210
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	5/5/2022	0.0000000512 U	0.000000311 J	0.000000337	NA	µg/L	0.000000337
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	5/5/2022	0.000000146 J	0.000000767	0.000000912	NA	µg/L	0.000000912
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	5/5/2022	0.000000237	0.00000155	0.00000179	NA	µg/L	0.00000179
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	5/5/2022	0.000000696	0.00000483	0.00000553	NA	µg/L	0.00000553
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	5/5/2022	0.0000000544 U	0.000000189 J	0.000000216	NA	µg/L	0.000000216
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	5/5/2022	0.000000219 J	0.000000448	0.000000667	NA	µg/L	0.000000667
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	5/5/2022	0.0000000441 U	0.000000341	0.000000363	NA	µg/L	0.000000363
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	5/5/2022	0.000000654	0.00000322	0.00000387	NA	µg/L	0.00000387
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	5/5/2022	0.0000000473 U	0.000000201 U	0.000000225	NA	µg/L	0.000000225
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	5/5/2022	0.0000000254 U	0.000000275 J	0.000000288	NA	µg/L	0.000000288
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	5/5/2022	0.000000112	0.00000107	0.00000118	NA	µg/L	0.00000118
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	5/5/2022	0.0000000432 U	0.000000271 J	0.000000292	NA	µg/L	0.000000292
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	5/5/2022	0.0000000506 U	0.000000213 U	0.000000238	NA	µg/L	0.000000238
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	5/5/2022	0.0000000477 U	0.000000199 U	0.000000223	NA	µg/L	0.000000223
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	5/5/2022	0.0000000499 U	0.000000212 U	0.000000237	NA	µg/L	0.000000237
AAQ005	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	5/5/2022	0.00000298	0.0000570	0.0000600	NA	µg/L	0.0000600
AAQ005	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	5/5/2022	0.00000805	0.000128	0.000136	NA	µg/L	0.000136
AAQ005	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	5/5/2022	0.0000117	0.000136	0.000148	NA	µg/L	0.000148
AAQ005	PCBs (as congeners)	Trichlorobiphenyl	E1668	5/5/2022	0.0000110	0.0000348	0.0000458	NA	µg/L	0.0000458
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	5/5/2022	0.000000960	0.00000120	0.00000216	NA	µg/L	0.00000216
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	5/5/2022	0.000000924	0.00000117	0.00000209	NA	µg/L	0.00000209
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	5/5/2022	0.00000145	0.00000200	0.00000345	NA	µg/L	0.00000345
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	5/5/2022	0.000000268	0.000000245	0.000000513	NA	µg/L	0.000000513
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	5/5/2022	0.00000179	0.00000770	0.00000948	NA	µg/L	0.00000948
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	5/5/2022	0.000000747	0.00000273	0.00000348	NA	µg/L	0.00000348
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	5/5/2022	0.00000127	0.00000473	0.00000601	NA	µg/L	0.00000601
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	5/5/2022	0.000000157	0.000000557	0.000000714	NA	µg/L	0.000000714
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	5/5/2022	0.0000000303 U	0.000000132 U	0.000000147	NA	µg/L	0.000000147
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	5/5/2022	0.0000000300 U	0.000000132 U	0.000000147	NA	µg/L	0.000000147
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	5/5/2022	0.000000354	0.00000144	0.00000179	NA	µg/L	0.00000179
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	5/5/2022	0.0000000297 J	0.0000000415 J	0.000000071	NA	µg/L	0.0000000713
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	5/5/2022	0.000000142	0.000000186	0.000000328	NA	µg/L	0.000000328
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	5/5/2022	0.00000155	0.00000654	0.00000809	NA	µg/L	0.00000809
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	5/5/2022	0.000000493	0.000000657	0.00000115	NA	µg/L	0.00000115
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	5/5/2022	0.000000287	0.00000243	0.00000271	NA	µg/L	0.00000271
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	5/5/2022	0.0000000712	0.000000776	0.000000847	NA	µg/L	0.000000847
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	5/5/2022	0.000000499	0.00000235	0.00000285	NA	µg/L	0.00000285
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	5/5/2022	0.0000000271 U	0.000000119 U	0.000000132	NA	µg/L	0.000000132
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	5/5/2022	0.0000000275 U	0.000000122 U	0.000000136	NA	µg/L	0.000000136
AAQ005	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	5/5/2022	0.00006 J	0.00050 J	0.00055	6.4	pg/L	551
AAQ005	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	10/21/2022	0.000000452	0.0000000794 U	0.000000492	NA	µg/L	0.000000492
AAQ005	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	10/21/2022	0.0000000794 U	0.0000000794 U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	10/21/2022	0.0000000794 U	0.0000000794 U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	10/21/2022	0.0000000794 U	0.0000000794 UJ	0.000000119	NA	µg/L	0.000000119

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	10/21/2022	0.0000000794	U	0.00000122		0.00000126	NA	µg/L	0.00000126
AAQ005	PCBs (as congeners)	Dichlorobiphenyl	E1668	10/21/2022	0.0000790	J	0.0000323	J	0.000111	NA	µg/L	0.000111
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	10/21/2022	0.00000817		0.0000000794	UJ	0.00000821	NA	µg/L	0.00000821
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	10/21/2022	0.000000857		0.0000000794	U	0.000000897	NA	µg/L	0.000000897
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	10/21/2022	0.000000287	J	0.0000000540	J	0.000000341	NA	µg/L	0.000000341
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	10/21/2022	0.0000000579	J	0.0000000794	U	0.000000098	NA	µg/L	0.0000000976
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	10/21/2022	0.000000849	J	0.0000108		0.0000116	NA	µg/L	0.0000116
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	10/21/2022	0.000000159	U	0.00000245		0.00000253	NA	µg/L	0.00000253
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	10/21/2022	0.000000197		0.00000143		0.00000163	NA	µg/L	0.00000163
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	10/21/2022	0.0000000794	U	0.00000774		0.00000778	NA	µg/L	0.00000778
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	10/21/2022	0.0000000794	U	0.00000425		0.00000429	NA	µg/L	0.00000429
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	10/21/2022	0.0000000794	U	0.000000348		0.000000388	NA	µg/L	0.000000388
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	10/21/2022	0.0000000794	U	0.00000102		0.00000106	NA	µg/L	0.00000106
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	10/21/2022	0.0000000794	U	0.00000146		0.00000150	NA	µg/L	0.00000150
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.00000287		0.00000291	NA	µg/L	0.00000291
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	10/21/2022	0.000000159	U	0.0000192		0.0000192	NA	µg/L	0.0000192
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	10/21/2022	0.0000000794	U	0.00000380		0.00000384	NA	µg/L	0.00000384
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	10/21/2022	0.0000000794	UJ	0.000000690		0.000000730	NA	µg/L	0.000000730
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	10/21/2022	0.0000000794	U	0.00000730		0.00000734	NA	µg/L	0.00000734
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000794	U	0.000000456		0.000000496	NA	µg/L	0.000000496
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	10/21/2022	0.000000206		0.00000189		0.00000210	NA	µg/L	0.00000210
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	10/21/2022	0.0000000702	J	0.000000323	J	0.000000394	NA	µg/L	0.000000394
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	10/21/2022	0.000000159	U	0.00000532		0.00000540	NA	µg/L	0.00000540
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	10/21/2022	0.0000000794	UJ	0.00000211		0.00000215	NA	µg/L	0.00000215
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	10/21/2022	0.000000238	U	0.0000385		0.0000386	NA	µg/L	0.0000386
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	10/21/2022	0.0000000794	U	0.0000108		0.0000108	NA	µg/L	0.0000108
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	10/21/2022	0.0000000794	U	0.000000444	J	0.000000484	NA	µg/L	0.000000484
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	10/21/2022	0.0000000794	UJ	0.000000361		0.000000400	NA	µg/L	0.000000400
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	10/21/2022	0.000000159	U	0.000000159	U	0.000000238	NA	µg/L	0.000000238
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	10/21/2022	0.0000000794	U	0.00000171		0.00000175	NA	µg/L	0.00000175
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	10/21/2022	0.0000000794	UJ	0.00000143		0.00000147	NA	µg/L	0.00000147
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	10/21/2022	0.000000159	UJ	0.000000484	J	0.000000563	NA	µg/L	0.000000563
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	10/21/2022	0.0000000794	U	0.00000643		0.00000647	NA	µg/L	0.00000647
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	10/21/2022	0.0000000794	U	0.00000365		0.00000369	NA	µg/L	0.00000369
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	10/21/2022	0.000000159	U	0.0000208		0.0000209	NA	µg/L	0.0000209

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	10/21/2022	0.000000159	U	0.0000224		0.0000225	NA	µg/L	0.0000225
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	10/21/2022	0.000000607		0.00000440		0.00000501	NA	µg/L	0.00000501
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	10/21/2022	0.0000000794	U	0.00000409		0.00000413	NA	µg/L	0.00000413
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	10/21/2022	0.0000000794	UJ	0.00000251		0.00000255	NA	µg/L	0.00000255
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Monochlorobiphenyl	E1668	10/21/2022	0.00000360		0.000000849	J	0.00000445	NA	µg/L	0.00000445
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl	E1668	10/21/2022	0.0000000794	U	0.00000267		0.00000271	NA	µg/L	0.00000271
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000794	U	0.00000196		0.00000200	NA	µg/L	0.00000200
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.000000220		0.000000260	NA	µg/L	0.000000260
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	10/21/2022	0.0000000794	U	0.000000496		0.000000536	NA	µg/L	0.000000536
AAQ005	PCBs (as congeners)	Octachlorobiphenyl	E1668	10/21/2022	0.00000145	J	0.0000186	J	0.0000200	NA	µg/L	0.0000200
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	10/21/2022	0.000000308	J	0.00000433		0.00000463	NA	µg/L	0.00000463
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	10/21/2022	0.0000000794	U	0.00000288		0.00000292	NA	µg/L	0.00000292
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.000000110	J	0.00000157	J	0.00000168	NA	µg/L	0.00000168
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	10/21/2022	0.000000110	J	0.00000157	J	0.00000168	NA	µg/L	0.00000168
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	10/21/2022	0.000000378	J	0.00000492		0.00000530	NA	µg/L	0.00000530
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.000000575		0.000000615	NA	µg/L	0.000000615
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	10/21/2022	0.0000000794	U	0.000000595		0.000000635	NA	µg/L	0.000000635
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	10/21/2022	0.0000000794	U	0.000000829		0.000000869	NA	µg/L	0.000000869
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	10/21/2022	0.000000246	J	0.00000289		0.00000313	NA	µg/L	0.00000313
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	PCB-167	E1668	10/21/2022	0.000000217		0.00000144		0.00000166	NA	µg/L	0.00000166
AAQ005	PCBs (as congeners)	PCB-82	E1668	10/21/2022	0.0000000794	U	0.00000219		0.00000223	NA	µg/L	0.00000223
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	10/21/2022	0.000000397	U	0.000000397	U	0.000000595	NA	µg/L	0.000000595
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	10/21/2022	0.0000000794	U	0.00000849		0.00000853	NA	µg/L	0.00000853
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	10/21/2022	0.000000159	U	0.000000671	J	0.000000750	NA	µg/L	0.000000750
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	10/21/2022	0.0000000794	U	0.000000231	J	0.000000271	NA	µg/L	0.000000271
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	10/21/2022	0.0000000794	U	0.00000116		0.00000120	NA	µg/L	0.00000120
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	10/21/2022	0.0000000794	U	0.000000304	J	0.000000344	NA	µg/L	0.000000344
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	10/21/2022	0.0000000794	U	0.000000332	J	0.000000371	NA	µg/L	0.000000371
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000166		0.0000166	NA	µg/L	0.0000166
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	10/21/2022	0.0000000794	UJ	0.000000619		0.000000659	NA	µg/L	0.000000659
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	10/21/2022	0.000000317	U	0.000000317	U	0.000000476	NA	µg/L	0.000000476
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	10/21/2022	0.0000587	J	0.0000349	J	0.0000936	NA	µg/L	0.0000936
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	10/21/2022	0.00000774		0.0000000794	U	0.00000778	NA	µg/L	0.00000778
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	10/21/2022	0.000000238	U	0.000000238	UJ	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	10/21/2022	0.00000167		0.0000000794	U	0.00000171	NA	µg/L	0.00000171
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	10/21/2022	0.0000000794	U	0.00000137		0.00000141	NA	µg/L	0.00000141
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	10/21/2022	0.00000790	J	0.0000659	J	0.0000738	NA	µg/L	0.0000738
AAQ005	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	10/21/2022	0.0000284	J	0.000139	J	0.000168	NA	µg/L	0.000168

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	10/21/2022	0.0000603	J	0.000121	J	0.000181	NA	µg/L	0.000181
AAQ005	PCBs (as congeners)	Trichlorobiphenyl	E1668	10/21/2022	0.0000484	J	0.0000261	J	0.0000745	NA	µg/L	0.0000745
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	10/21/2022	0.000000238	U	0.000000238	U	0.000000357	NA	µg/L	0.000000357
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	UJ	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	10/21/2022	0.0000000794	UJ	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	10/21/2022	0.0000000794	U	0.000000241		0.000000281	NA	µg/L	0.000000281
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	10/21/2022	0.0000000794	U	0.0000000794	U	0.000000119	NA	µg/L	0.000000119
AAQ005	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	10/21/2022	0.00003	J	0.00025	J	0.00028	6.4	pg/L	284
AAQ005	PCBs (as congeners)	2,3-DICHLOROBIPHENYL	E1668	3/9/2023	0.0000000418	U	0.0000000234	J	0.000000044	NA	µg/L	0.0000000443
AAQ005	PCBs (as congeners)	2-CHLOROBIPHENYL	E1668	3/9/2023	0.000000323		0.0000000779	J	0.000000400	NA	µg/L	0.000000400
AAQ005	PCBs (as congeners)	4,4'-DICHLOROBIPHENYL	E1668	3/9/2023	0.00000127		0.000000806		0.00000208	NA	µg/L	0.00000208
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	3/9/2023	0.000000233		0.000000107		0.000000340	NA	µg/L	0.000000340
AAQ005	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	3/9/2023	0.000000389		0.000000118		0.000000507	NA	µg/L	0.000000507
AAQ005	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	3/9/2023	0.000000109		0.000000550		0.000000659	NA	µg/L	0.000000659
AAQ005	PCBs (as congeners)	Dichlorobiphenyl	E1668	3/9/2023	0.0000335		0.0000322	J	0.0000657	NA	µg/L	0.0000657
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	3/9/2023	0.00000190		0.000000318		0.00000222	NA	µg/L	0.00000222
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	3/9/2023	0.000000358		0.000000144	J	0.000000501	NA	µg/L	0.000000501
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	3/9/2023	0.00000164		0.000000608		0.00000224	NA	µg/L	0.00000224
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	3/9/2023	0.0000000847	J	0.0000000495	J	0.000000134	NA	µg/L	0.000000134
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	3/9/2023	0.0000000905		0.0000000568	J	0.000000147	NA	µg/L	0.000000147
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	3/9/2023	0.0000000689	J	0.0000000148	J	0.000000084	NA	µg/L	0.0000000837
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	3/9/2023	0.0000277		0.0000300		0.0000577	NA	µg/L	0.0000577
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	3/9/2023	0.000000326		0.000000229		0.000000555	NA	µg/L	0.000000555
AAQ005	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	3/9/2023	0.0000000403	U	0.0000000134	U	0.000000034	NA	µg/L	0.0000000335
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	3/9/2023	0.000000662		0.00000482		0.00000548	NA	µg/L	0.00000548
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	3/9/2023	0.000000227		0.00000170		0.00000192	NA	µg/L	0.00000192
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	3/9/2023	0.000000109		0.000000842		0.000000952	NA	µg/L	0.000000952
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	3/9/2023	0.000000685		0.00000500		0.00000568	NA	µg/L	0.00000568
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	3/9/2023	0.000000380		0.00000264		0.00000302	NA	µg/L	0.00000302
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	3/9/2023	0.0000000319	U	0.000000188	J	0.000000204	NA	µg/L	0.000000204
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	3/9/2023	0.0000000797	J	0.000000419		0.000000499	NA	µg/L	0.000000499
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	3/9/2023	0.000000103	J	0.000000595		0.000000698	NA	µg/L	0.000000698
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	3/9/2023	0.000000177		0.00000104		0.00000121	NA	µg/L	0.00000121
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	3/9/2023	0.00000139		0.00000923		0.0000106	NA	µg/L	0.0000106
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	3/9/2023	0.0000000268	U	0.0000000887	U	0.000000102	NA	µg/L	0.000000102
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	3/9/2023	0.0000000284	U	0.0000000937	U	0.000000108	NA	µg/L	0.000000108
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	3/9/2023	0.000000438		0.00000297		0.00000341	NA	µg/L	0.00000341

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	3/9/2023	0.0000000104 U	0.0000000296 U	0.000000035	NA	µg/L	0.0000000348
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	3/9/2023	0.0000000694 J	0.000000110 U	0.000000125	NA	µg/L	0.000000125
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	3/9/2023	0.000000770	0.00000505	0.00000582	NA	µg/L	0.00000582
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	3/9/2023	0.00000000914 U	0.0000000261 U	0.000000031	NA	µg/L	0.0000000307
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	3/9/2023	0.0000000111 U	0.0000000318 U	0.000000037	NA	µg/L	0.0000000373
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	3/9/2023	0.0000000644 U	0.000000277 J	0.000000309	NA	µg/L	0.000000309
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	3/9/2023	0.0000000784 J	0.000000685	0.000000763	NA	µg/L	0.000000763
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	3/9/2023	0.0000000252 U	0.000000210 J	0.000000223	NA	µg/L	0.000000223
AAQ005	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	3/9/2023	0.0000000222 U	0.0000000734 U	0.000000085	NA	µg/L	0.0000000845
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	3/9/2023	0.000000604	0.00000477	0.00000538	NA	µg/L	0.00000538
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	3/9/2023	0.000000207	0.00000134	0.00000155	NA	µg/L	0.00000155
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	3/9/2023	0.00000303	0.0000201	0.0000232	NA	µg/L	0.0000232
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	3/9/2023	0.000000901	0.00000658	0.00000748	NA	µg/L	0.00000748
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	3/9/2023	0.0000000455 J	0.000000275	0.000000320	NA	µg/L	0.000000320
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	3/9/2023	0.0000000268 J	0.000000221	0.000000248	NA	µg/L	0.000000248
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	3/9/2023	0.000000878	0.00000500	0.00000588	NA	µg/L	0.00000588
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	3/9/2023	0.000000150 J	0.00000130 J	0.00000145	NA	µg/L	0.00000145
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	3/9/2023	0.000000341	0.00000165	0.00000199	NA	µg/L	0.00000199
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	3/9/2023	0.000000142	0.0000000572 U	0.000000170	NA	µg/L	0.000000170
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	3/9/2023	0.0000000428 J	0.000000289 J	0.000000332	NA	µg/L	0.000000332
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	3/9/2023	0.000000568	0.00000359	0.00000416	NA	µg/L	0.00000416
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	3/9/2023	0.000000341	0.00000195	0.00000230	NA	µg/L	0.00000230
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	3/9/2023	0.00000000901 U	0.0000000527 U	0.000000057	NA	µg/L	0.0000000572
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	3/9/2023	0.00000000991 U	0.0000000581 U	0.000000063	NA	µg/L	0.0000000631
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	3/9/2023	0.000000141	0.000000779	0.000000920	NA	µg/L	0.000000920
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	3/9/2023	0.00000000914 U	0.0000000532 U	0.000000058	NA	µg/L	0.0000000577
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	3/9/2023	0.00000204	0.0000123	0.0000143	NA	µg/L	0.0000143
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	3/9/2023	0.00000000640 U	0.0000000277 U	0.000000031	NA	µg/L	0.0000000309
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	3/9/2023	0.00000000698 U	0.0000000302 U	0.000000034	NA	µg/L	0.0000000337
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	3/9/2023	0.00000000599 U	0.0000000259 U	0.000000029	NA	µg/L	0.0000000289
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	3/9/2023	0.00000204	0.0000116	0.0000137	NA	µg/L	0.0000137
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	3/9/2023	0.0000000214 J	0.000000105 J	0.000000126	NA	µg/L	0.000000126
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	3/9/2023	0.00000000671 U	0.0000000289 U	0.000000032	NA	µg/L	0.0000000322
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	3/9/2023	0.000000541	0.00000359	0.00000414	NA	µg/L	0.00000414
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	3/9/2023	0.000000314	0.00000215	0.00000247	NA	µg/L	0.00000247
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	3/9/2023	0.0000000447 U	0.000000178 U	0.000000201	NA	µg/L	0.000000201
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	3/9/2023	0.0000000527 U	0.000000210 U	0.000000236	NA	µg/L	0.000000236
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	3/9/2023	0.00000000779 U	0.0000000455 U	0.000000049	NA	µg/L	0.0000000494
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	3/9/2023	0.00000000662 U	0.000000105 J	0.000000108	NA	µg/L	0.000000108
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	3/9/2023	0.000000198	0.00000207	0.00000227	NA	µg/L	0.00000227
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	3/9/2023	0.00000000770 U	0.0000000450 U	0.000000049	NA	µg/L	0.0000000489
AAQ005	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	3/9/2023	0.000000122 U	0.000000486 U	0.000000548	NA	µg/L	0.000000548
AAQ005	PCBs (as congeners)	Monochlorobiphenyl	E1668	3/9/2023	0.000000946	0.000000304	0.00000125	NA	µg/L	0.00000125
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl	E1668	3/9/2023	0.000000152	0.00000127	0.00000142	NA	µg/L	0.00000142
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	3/9/2023	0.000000152	0.00000100	0.00000116	NA	µg/L	0.00000116
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	3/9/2023	0.0000000599 U	0.000000107 U	0.000000137	NA	µg/L	0.000000137
AAQ005	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	3/9/2023	0.0000000649 U	0.000000269	0.000000302	NA	µg/L	0.000000302
AAQ005	PCBs (as congeners)	Octachlorobiphenyl	E1668	3/9/2023	0.00000111 J	0.00000617 J	0.00000728	NA	µg/L	0.00000728
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	3/9/2023	0.000000318	0.00000199	0.00000231	NA	µg/L	0.00000231
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	3/9/2023	0.000000157	0.000000577 J	0.000000734	NA	µg/L	0.000000734
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	3/9/2023	0.000000101 J	0.000000725	0.000000826	NA	µg/L	0.000000826
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	3/9/2023	0.0000000346 U	0.0000000847 U	0.000000102	NA	µg/L	0.000000102

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	3/9/2023	0.000000248	0.00000127	0.00000152	NA	µg/L	0.00000152
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	3/9/2023	0.0000000355 U	0.000000222	0.000000239	NA	µg/L	0.000000239
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	3/9/2023	0.0000000550 J	0.000000233	0.000000288	NA	µg/L	0.000000288
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	3/9/2023	0.0000000694 J	0.000000325	0.000000394	NA	µg/L	0.000000394
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	3/9/2023	0.000000158	0.000000802	0.000000960	NA	µg/L	0.000000960
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	3/9/2023	0.0000000327 U	0.0000000797 U	0.000000096	NA	µg/L	0.0000000961
AAQ005	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	3/9/2023	0.0000000734 U	0.000000195 U	0.000000231	NA	µg/L	0.000000231
AAQ005	PCBs (as congeners)	PCB-167	E1668	3/9/2023	0.000000146	0.000000964	0.00000111	NA	µg/L	0.00000111
AAQ005	PCBs (as congeners)	PCB-82	E1668	3/9/2023	0.000000350	0.00000171	0.00000206	NA	µg/L	0.00000206
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	3/9/2023	0.000000131 J	0.000000500	0.000000631	NA	µg/L	0.000000631
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	3/9/2023	0.000000986	0.00000356	0.00000455	NA	µg/L	0.00000455
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	3/9/2023	0.000000450	0.0000000563 U	0.000000479	NA	µg/L	0.000000479
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	3/9/2023	0.00000221	0.00000901	0.0000112	NA	µg/L	0.0000112
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	3/9/2023	0.00000315	0.0000113	0.0000144	NA	µg/L	0.0000144
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	3/9/2023	0.0000000428 J	0.000000106	0.000000149	NA	µg/L	0.000000149
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	3/9/2023	0.0000000162 U	0.0000000734 U	0.000000082	NA	µg/L	0.0000000815
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	3/9/2023	0.0000000132 U	0.0000000595 U	0.000000066	NA	µg/L	0.0000000661
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	3/9/2023	0.000000390	0.00000130	0.00000169	NA	µg/L	0.00000169
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	3/9/2023	0.000000590	0.00000215	0.00000274	NA	µg/L	0.00000274
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	3/9/2023	0.0000000154 U	0.0000000698 U	0.000000078	NA	µg/L	0.0000000775
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	3/9/2023	0.0000000330 J	0.0000000658 U	0.000000066	NA	µg/L	0.0000000659
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	3/9/2023	0.00000261	0.00000955	0.0000122	NA	µg/L	0.0000122
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	3/9/2023	0.0000000221 J	0.0000000424 J	0.000000065	NA	µg/L	0.0000000645
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	3/9/2023	0.00000107	0.00000390	0.00000497	NA	µg/L	0.00000497
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	3/9/2023	0.0000000923	0.000000274	0.000000367	NA	µg/L	0.000000367
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	3/9/2023	0.0000000249 J	0.0000000435 J	0.000000068	NA	µg/L	0.0000000684
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	3/9/2023	0.00000000842 U	0.0000000115 U	0.000000016	NA	µg/L	0.0000000157
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	3/9/2023	0.00000114	0.00000608	0.00000723	NA	µg/L	0.00000723
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	3/9/2023	0.000000126 J	0.000000554	0.000000680	NA	µg/L	0.000000680
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	3/9/2023	0.00000000923 U	0.0000000418 U	0.000000046	NA	µg/L	0.0000000464
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	3/9/2023	0.0000000112 U	0.000000178	0.000000184	NA	µg/L	0.000000184
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	3/9/2023	0.000000173	0.000000995	0.00000117	NA	µg/L	0.00000117
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	3/9/2023	0.00000339	0.0000158	0.0000192	NA	µg/L	0.0000192
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	3/9/2023	0.00000000991 U	0.0000000449 U	0.000000050	NA	µg/L	0.0000000498
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	3/9/2023	0.00000000860 U	0.0000000390 U	0.000000043	NA	µg/L	0.0000000433
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	3/9/2023	0.0000000685 J	0.000000315	0.000000384	NA	µg/L	0.000000384
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	3/9/2023	0.0000000437 J	0.0000000459 U	0.000000067	NA	µg/L	0.0000000667
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	3/9/2023	0.00000240	0.0000116	0.0000140	NA	µg/L	0.0000140
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	3/9/2023	0.00000000887 U	0.0000000400 U	0.000000044	NA	µg/L	0.0000000445
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	3/9/2023	0.00000000838 U	0.0000000379 U	0.000000042	NA	µg/L	0.0000000421
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	3/9/2023	0.0000000491 J	0.00000135	0.00000140	NA	µg/L	0.00000140
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	3/9/2023	0.00000000910 U	0.0000000411 U	0.000000046	NA	µg/L	0.0000000456
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	3/9/2023	0.0000000779 U	0.000000220 U	0.000000259	NA	µg/L	0.000000259
AAQ005	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	3/9/2023	0.0000000103 U	0.0000000455 U	0.000000051	NA	µg/L	0.0000000507
AAQ005	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	3/9/2023	0.00000408	0.00000590	0.00000998	NA	µg/L	0.00000998
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	3/9/2023	0.0000268 J	0.0000282 J	0.0000550	NA	µg/L	0.0000550
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	3/9/2023	0.00000123	0.00000145	0.00000268	NA	µg/L	0.00000268
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	3/9/2023	0.000000743	0.000000833	0.00000158	NA	µg/L	0.00000158
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	3/9/2023	0.000000357	0.000000337	0.000000694	NA	µg/L	0.000000694
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	3/9/2023	0.00000572	0.00000393	0.00000965	NA	µg/L	0.00000965
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	3/9/2023	0.000000106	0.0000000851 J	0.000000191	NA	µg/L	0.000000191
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	3/9/2023	0.000000223	0.000000218	0.000000441	NA	µg/L	0.000000441

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	3/9/2023	0.000000505	0.000000581	0.00000109	NA	µg/L	0.00000109
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	3/9/2023	0.00000167	0.00000172	0.00000338	NA	µg/L	0.00000338
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	3/9/2023	0.000000644	0.000000640	0.00000128	NA	µg/L	0.00000128
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	3/9/2023	0.00000143	0.000000214	0.00000165	NA	µg/L	0.00000165
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	3/9/2023	0.000000527	0.000000427	0.000000954	NA	µg/L	0.000000954
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	3/9/2023	0.00000348	0.00000428	0.00000776	NA	µg/L	0.00000776
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	3/9/2023	0.0000000112 U	0.0000000101 U	0.000000016	NA	µg/L	0.0000000157
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	3/9/2023	0.000000847	0.00000121	0.00000205	NA	µg/L	0.00000205
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	3/9/2023	0.0000000536 U	0.0000000770 U	0.000000104	NA	µg/L	0.000000104
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	3/9/2023	0.0000000509 U	0.0000000734 U	0.000000099	NA	µg/L	0.0000000989
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	3/9/2023	0.0000000577 U	0.0000000829 U	0.000000112	NA	µg/L	0.000000112
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	3/9/2023	0.000000301	0.000000309	0.000000609	NA	µg/L	0.000000609
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	3/9/2023	0.000000509	0.000000730	0.00000124	NA	µg/L	0.00000124
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	3/9/2023	0.00000161	0.00000236	0.00000397	NA	µg/L	0.00000397
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	3/9/2023	0.000000126	0.000000100	0.000000226	NA	µg/L	0.000000226
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	3/9/2023	0.00000101	0.000000168	0.00000118	NA	µg/L	0.00000118
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	3/9/2023	0.0000000977	0.0000000883 J	0.000000186	NA	µg/L	0.000000186
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	3/9/2023	0.00000123	0.00000153	0.00000277	NA	µg/L	0.00000277
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	3/9/2023	0.0000000554 U	0.0000000797 U	0.000000107	NA	µg/L	0.000000107
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	3/9/2023	0.0000000197 U	0.0000000240 U	0.000000034	NA	µg/L	0.0000000339
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	3/9/2023	0.000000259	0.000000833	0.00000109	NA	µg/L	0.00000109
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	3/9/2023	0.0000000425 J	0.000000272 J	0.000000315	NA	µg/L	0.000000315
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	3/9/2023	0.0000000590 U	0.0000000851 U	0.000000115	NA	µg/L	0.000000115
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	3/9/2023	0.0000000550 U	0.0000000788 U	0.000000106	NA	µg/L	0.000000106
AAQ005	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	3/9/2023	0.0000000671 U	0.0000000968 U	0.000000130	NA	µg/L	0.000000130
AAQ005	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	3/9/2023	0.00000518 J	0.0000357 J	0.0000409	NA	µg/L	0.0000409
AAQ005	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	3/9/2023	0.0000127 J	0.0000806 J	0.0000933	NA	µg/L	0.0000933
AAQ005	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	3/9/2023	0.0000195 J	0.0000802 J	0.0000997	NA	µg/L	0.0000997
AAQ005	PCBs (as congeners)	Trichlorobiphenyl	E1668	3/9/2023	0.0000197 J	0.0000136 J	0.0000332	NA	µg/L	0.0000332
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	3/9/2023	0.00000191	0.000000617	0.00000253	NA	µg/L	0.00000253
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	3/9/2023	0.00000198	0.000000658	0.00000264	NA	µg/L	0.00000264
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	3/9/2023	0.00000316	0.00000112	0.00000427	NA	µg/L	0.00000427
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	3/9/2023	0.000000658	0.000000147	0.000000805	NA	µg/L	0.000000805
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	3/9/2023	0.00000271	0.00000243	0.00000514	NA	µg/L	0.00000514
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	3/9/2023	0.00000107	0.000000946	0.00000202	NA	µg/L	0.00000202
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	3/9/2023	0.00000181	0.00000158	0.00000339	NA	µg/L	0.00000339
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	3/9/2023	0.000000247	0.000000188	0.000000435	NA	µg/L	0.000000435
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	3/9/2023	0.0000000244 U	0.0000000365 U	0.000000049	NA	µg/L	0.0000000487
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	3/9/2023	0.0000000248 U	0.0000000371 U	0.000000049	NA	µg/L	0.0000000495
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	3/9/2023	0.000000545	0.000000486	0.00000103	NA	µg/L	0.00000103
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	3/9/2023	0.0000000559 J	0.0000000245 J	0.000000080	NA	µg/L	0.0000000804
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	3/9/2023	0.000000381	0.000000129	0.000000510	NA	µg/L	0.000000510
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	3/9/2023	0.00000223	0.00000199	0.00000422	NA	µg/L	0.00000422
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	3/9/2023	0.00000139	0.000000415	0.00000181	NA	µg/L	0.00000181
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	3/9/2023	0.000000572	0.00000125	0.00000182	NA	µg/L	0.00000182
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	3/9/2023	0.000000192	0.000000568	0.000000759	NA	µg/L	0.000000759
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	3/9/2023	0.000000779	0.00000102	0.00000180	NA	µg/L	0.00000180
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	3/9/2023	0.0000000226 U	0.0000000338 U	0.000000045	NA	µg/L	0.0000000451
AAQ005	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	3/9/2023	0.0000000226 U	0.0000000337 U	0.000000045	NA	µg/L	0.0000000450
AAQ005	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	3/9/2023	0.00012 J	0.00028 J	0.00040	6.4	pg/L	401
AAP957	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	10/21/2022	0.000000105 U	0.0000000379 J	0.000000090	NA	µg/L	0.0000000904
AAP957	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3/9/2023	0.0000000161 U	0.0000000110 U	0.000000019	NA	µg/L	0.0000000190

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)		Particulate (-FRONT-) (µg/L)		Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	5/5/2022	0.00000000863	U	0.0000000519	J	0.000000056	NA	µg/L	0.0000000562
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	10/21/2022	0.0000000992	U	0.0000000388	J	0.000000088	NA	µg/L	0.0000000885
AAQ005	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	3/9/2023	0.0000000254	U	0.0000000215	U	0.000000034	NA	µg/L	0.0000000342
AAM107	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.000000470	U	0.00000000906	U	0.000000244	NA	µg/L	0.000000244
AAM131	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000101	U	0.00000000946	U	0.000000014	NA	µg/L	0.0000000145
AAM169	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000123	U	0.00000000971	U	0.000000016	NA	µg/L	0.0000000159
AAP957	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000375	U	0.00000000898	U	0.000000028	NA	µg/L	0.0000000277
AAQ005	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	3/9/2023	0.0000000230	U	0.0000000256	U	0.000000037	NA	µg/L	0.0000000371
AAM107	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5/5/2022	0.0000000361		0.000000152	J	0.000000188	NA	µg/L	0.000000188
AAM107	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	10/21/2022	0.0000000207	U	0.0000000207	U	0.000000031	NA	µg/L	0.0000000311
AAM131	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5/5/2022	0.00000000774	U	0.000000422	J	0.000000426	NA	µg/L	0.000000426
AAM131	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	10/21/2022	0.0000000184	U	0.000000512	J	0.000000521	NA	µg/L	0.000000521
AAM169	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5/5/2022	0.00000000353	U	0.0000000195		0.000000021	NA	µg/L	0.0000000213
AAM169	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	10/21/2022	0.0000000200	U	0.0000000200	U	0.000000030	NA	µg/L	0.0000000299
AAP957	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5/5/2022	0.00000000711	U	0.0000000146	J	0.000000018	NA	µg/L	0.0000000182
AAP957	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	10/21/2022	0.0000000210	U	0.000000365	J	0.000000376	NA	µg/L	0.000000376
AAQ005	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	5/5/2022	0.00000000473	U	0.000000196	J	0.000000199	NA	µg/L	0.000000199
AAQ005	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	10/21/2022	0.0000000198	U	0.0000000319	J	0.000000042	NA	µg/L	0.0000000419
AAM107	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5/5/2022	0.00000000604	U	0.0000000128	U	0.000000016	NA	µg/L	0.0000000158
AAM107	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	10/21/2022	0.0000000207	U	0.0000000207	U	0.000000031	NA	µg/L	0.0000000311
AAM107	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	3/9/2023	0.000000296	R	0.00000000695	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5/5/2022	0.00000000774	U	0.0000000272		0.000000031	NA	µg/L	0.0000000311
AAM131	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	10/21/2022	0.0000000184	U	0.0000000245	J	0.000000034	NA	µg/L	0.0000000337
AAQ005	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	5/5/2022	0.0000000126	J	0.000000232	J	0.000000244	NA	µg/L	0.000000244
AAM131	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	3/9/2023	0.00000000667	U	0.00000000885	U	0.000000012	NA	µg/L	0.0000000122
AAM169	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5/5/2022	0.00000000353	U	0.00000000780	U	0.00000000956	NA	µg/L	0.00000000956
AAM169	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	10/21/2022	0.0000000200	U	0.0000000200	U	0.000000030	NA	µg/L	0.0000000299
AAM169	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	3/9/2023	0.00000000903	U	0.00000000935	U	0.000000014	NA	µg/L	0.0000000139
AAP957	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5/5/2022	0.00000000711	U	0.00000000563	U	0.00000000919	NA	µg/L	0.00000000919
AAP957	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	10/21/2022	0.0000000210	U	0.0000000187	J	0.000000029	NA	µg/L	0.0000000292
AAP957	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	3/9/2023	0.0000000233	U	0.00000000807	U	0.000000020	NA	µg/L	0.0000000197
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	5/5/2022	0.00000000473	U	0.00000000902	U	0.000000011	NA	µg/L	0.0000000114
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	10/21/2022	0.0000000198	U	0.0000000198	U	0.000000030	NA	µg/L	0.0000000298
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	3/9/2023	0.0000000183	U	0.0000000256	U	0.000000035	NA	µg/L	0.0000000348
AAM107	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000119	U	0.0000000181	U	0.000000024	NA	µg/L	0.0000000241
AAM107	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000207	U	0.0000000207	U	0.000000031	NA	µg/L	0.0000000311
AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000153	U	0.0000000815	J	0.000000089	NA	µg/L	0.0000000891
AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000184	U	0.000000128	J	0.000000137	NA	µg/L	0.000000137
AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000929	U	0.00000000961	U	0.000000014	NA	µg/L	0.0000000143
AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000131	J	0.00000000878	J	0.000000022	NA	µg/L	0.0000000218
AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.0000000119	U	0.0000000115	U	0.000000017	NA	µg/L	0.0000000174
AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000210	U	0.0000000354		0.000000046	NA	µg/L	0.0000000459
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	5/5/2022	0.00000000844	U	0.0000000103	U	0.000000015	NA	µg/L	0.0000000145
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	10/21/2022	0.0000000117		0.0000000198	U	0.000000022	NA	µg/L	0.0000000216
AAM107	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5/5/2022	0.0000000119	U	0.0000000181	U	0.000000024	NA	µg/L	0.0000000241
AAM107	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	10/21/2022	0.0000000207	U	0.0000000207	U	0.000000031	NA	µg/L	0.0000000311
AAM107	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3/9/2023	0.000000470	R	0.00000000906	U	NA	NA	µg/L	NA
AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5/5/2022	0.0000000153	U	0.0000000137	U	0.000000021	NA	µg/L	0.0000000214
AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	10/21/2022	0.0000000184	U	0.0000000178	J	0.000000027	NA	µg/L	0.0000000270
AAQ005	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10/21/2022	0.000000111	J	0.000000162	J	0.000000273	NA	µg/L	0.000000273
AAM131	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3/9/2023	0.0000000101	U	0.00000000946	U	0.000000014	NA	µg/L	0.0000000145
AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5/5/2022	0.00000000929	U	0.00000000961	U	0.000000014	NA	µg/L	0.0000000143

Table 3-5 (continued)
Calculated HVS Whole Water Concentrations Summary Table
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Portland, Oregon

Location ID	Parameter	Chemical	Analysis Method	Date	Dissolved (-BACK-) (µg/L)	Particulate (-FRONT-) (µg/L)	Calculated Whole Water Concentration (µg/L)	CUL	Unit	Calculated Whole Water Concentration
AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	10/21/2022	0.0000000200 U	0.0000000200 U	0.000000030	NA	µg/L	0.0000000299
AAM169	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3/9/2023	0.0000000123 U	0.00000000971 U	0.000000016	NA	µg/L	0.0000000159
AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5/5/2022	0.0000000119 U	0.0000000115 U	0.000000017	NA	µg/L	0.0000000174
AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	10/21/2022	0.0000000210 U	0.0000000210 U	0.000000031	NA	µg/L	0.0000000314
AAP957	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3/9/2023	0.0000000375 U	0.00000000898 U	0.000000028	NA	µg/L	0.0000000277
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	5/5/2022	0.00000000844 U	0.0000000103 U	0.000000015	NA	µg/L	0.0000000145
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	10/21/2022	0.0000000198 U	0.0000000198 U	0.000000030	NA	µg/L	0.0000000298
AAQ005	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	3/9/2023	0.0000000230 U	0.0000000256 U	0.000000037	NA	µg/L	0.0000000371
AAM107	PCDD/PCDFs	Total Furans	E1613B	3/9/2023	0.000000296 U	0.00000000695 U	0.000000155	NA	µg/L	0.000000155
AAM131	PCDD/PCDFs	Total Furans	E1613B	3/9/2023	0.00000000667 U	0.00000000885 U	0.000000012	NA	µg/L	0.0000000122
AAM169	PCDD/PCDFs	Total Furans	E1613B	3/9/2023	0.00000000903 U	0.00000000935 U	0.000000014	NA	µg/L	0.0000000139
AAP957	PCDD/PCDFs	Total Furans	E1613B	3/9/2023	0.0000000233 U	0.00000000807 U	0.000000020	NA	µg/L	0.0000000197
AAQ005	PCDD/PCDFs	Total Furans	E1613B	3/9/2023	0.0000000183 U	0.0000000256 U	0.000000035	NA	µg/L	0.0000000348
AAM107	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5/5/2022	0.0000000316 J	0.00000239 J	0.00000242	NA	µg/L	0.00000242
AAM107	PCDD/PCDFs	TOTAL HpCDFs	E1613B	10/21/2022	0.0000000394 J	0.000000716	0.000000756	NA	µg/L	0.000000756
AAM131	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5/5/2022	0.0000000522 J	0.00000215 J	0.00000220	NA	µg/L	0.00000220
AAM131	PCDD/PCDFs	TOTAL HpCDFs	E1613B	10/21/2022	0.000000172	0.00000390 J	0.00000408	NA	µg/L	0.00000408
AAM169	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5/5/2022	0.0000000773 J	0.00000118 J	0.00000126	NA	µg/L	0.00000126
AAM169	PCDD/PCDFs	TOTAL HpCDFs	E1613B	10/21/2022	0.0000000607 J	0.000000455	0.000000516	NA	µg/L	0.000000516
AAP957	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5/5/2022	0.0000000247 J	0.000000349	0.000000373	NA	µg/L	0.000000373
AAP957	PCDD/PCDFs	TOTAL HpCDFs	E1613B	10/21/2022	0.0000000549	0.00000161 J	0.00000166	NA	µg/L	0.00000166
AAQ005	PCDD/PCDFs	TOTAL HpCDFs	E1613B	5/5/2022	0.0000000795 J	0.00000332	0.00000340	NA	µg/L	0.00000340
AAQ005	PCDD/PCDFs	TOTAL HpCDFs	E1613B	10/21/2022	0.000000176	0.00000172 J	0.00000189	NA	µg/L	0.00000189
AAQ005	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	3/9/2023	0.0000000360 J	0.000000119 J	0.000000155	NA	µg/L	0.000000155

Notes:
Except for calculated values, whole water concentration calculations used 1/2 detection limit value for all non-detected values (U and UJ). Calculated results already contain non-detected concentrations at 1/2 the value.

CUL exceedance for detected values
µg/L = micrograms per liter
ng/L = nanograms per liter
pg/L = picograms per liter
A = summed value based on limited number of analytes
CUL = cleanup level
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethane
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
HVS = high-volume sampling
J = estimated value
NA = not applicable/not available
O/P = organochlorine pesticides
PCBs = polychlorinated biphenyl
PCDD = polychlorinated dibenzofuran
PCDF = polychlorinated dibenzofuran
R = rejected value
SIM = selected ion monitoring
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
U = analyte not detected above laboratory reporting limit

Table 3-6
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	722	998	225	5	µg/kg	0.887	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	749	2,030	225	5	µg/kg	1.80	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	3,030	225	5	µg/kg	2.69	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	381	381	225	5	µg/kg	0.339	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	388	3,210	225	5	µg/kg	2.85	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	3,400	225	5	µg/kg	3.02	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	1,410	1,410	225	5	µg/kg	1.25	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	1,670	3,160	225	5	µg/kg	2.81	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	3,870	225	5	µg/kg	3.44	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	10,300	225	5	µg/kg	9.16	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1,160	1,160	225	5	µg/kg	1.03	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	11.4	11.4	225	5	pg/g	0.0101	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	5.86	5.86	225	5	pg/g	0.00521	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	10.1	449	225	5	pg/g	0.399	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	5.43	5.43	225	5	pg/g	0.00483	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	5.98	5.98	225	5	pg/g	0.00532	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	88	88	225	5	pg/g	0.0782	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	8.72	13,700	225	5	µg/kg	12.2	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	7.36	5,730	225	5	pg/g	5.09	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	9.44	9.44	225	5	pg/g	0.00839	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	9.09	1,220	225	5	pg/g	1.08	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	11	11	225	5	pg/g	0.00978	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	9.94	9.94	225	5	pg/g	0.00884	UJ
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	5.35	141	225	5	pg/g	0.125	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	9.84	9.84	225	5	pg/g	0.00875	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	10.9	10.9	225	5	pg/g	0.00969	UJ
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	10.8	10.8	225	5	pg/g	0.00960	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	51	962	225	5	pg/g	0.855	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	39.9	272	225	5	pg/g	0.242	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	39.6	39.6	225	5	pg/g	0.0352	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	36.1	960	225	5	pg/g	0.853	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	36.5	479	225	5	pg/g	0.426	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	39.9	46.6	225	5	pg/g	0.0414	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	9.49	89.5	225	5	pg/g	0.0796	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	12.5	137	225	5	pg/g	0.122	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	8.15	269	225	5	pg/g	0.239	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	32.2	1,710	225	5	pg/g	1.52	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	32.6	40.8	225	5	pg/g	0.0363	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	35	35	225	5	pg/g	0.0311	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	36.3	463	225	5	pg/g	0.412	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	8.96	8.96	225	5	pg/g	0.00796	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	39.7	151	225	5	µg/kg	0.134	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	32	1,050	225	5	pg/g	0.933	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	7.87	7.87	225	5	pg/g	0.00700	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	9.09	9.09	225	5	pg/g	0.00808	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	106	106	225	5	pg/g	0.0942	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	33.5	152	225	5	pg/g	0.135	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	30.7	30.7	225	5	pg/g	0.0273	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	26.7	26.7	225	5	pg/g	0.0237	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	87.5	595	225	5	pg/g	0.529	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	17.9	222	225	5	pg/g	0.197	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	14.1	3,160	225	5	pg/g	2.81	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	15.8	1,200	225	5	pg/g	1.07	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	16.7	44	225	5	pg/g	0.0391	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	14.4	58.5	225	5	pg/g	0.0520	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	14.6	1,510	225	5	pg/g	1.34	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20.4	238	225	5	pg/g	0.212	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	9.68	501	225	5	pg/g	0.445	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	16.8	105	225	5	pg/g	0.0933	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	13.9	45.3	225	5	pg/g	0.0403	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	15.5	709	225	5	pg/g	0.630	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	12.6	577	225	5	pg/g	0.513	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	14	16.1	225	5	pg/g	0.0143	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	16.4	16.4	225	5	pg/g	0.0146	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	14.8	167	225	5	pg/g	0.148	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	14.8	14.8	225	5	pg/g	0.0132	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	13.4	3,060	225	5	pg/g	2.72	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	8.58	8.58	225	5	pg/g	0.00763	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	9.06	22.2	225	5	pg/g	0.0197	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	8.16	8.16	225	5	pg/g	0.00725	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	11.3	2,570	225	5	pg/g	2.28	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	14.1	71.5	225	5	pg/g	0.0636	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	7.95	7.95	225	5	pg/g	0.00707	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	158	360	225	5	pg/g	0.320	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	10.8	294	225	5	pg/g	0.261	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	65.8	65.8	225	5	pg/g	0.0585	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	78.7	78.7	225	5	pg/g	0.0700	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	12.4	38.1	225	5	pg/g	0.0339	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	10.3	18.6	225	5	pg/g	0.0165	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	NE	NE	NE	9.97	224	225	5	pg/g	0.199	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	12	12	225	5	pg/g	0.0107	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	167	167	225	5	pg/g	0.148	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	5.92	106	225	5	µg/kg	0.0942	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	86	361	225	5	µg/kg	0.321	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	112	294	225	5	pg/g	0.261	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	62.3	62.3	225	5	pg/g	0.0554	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	59.8	66.6	225	5	pg/g	0.0592	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	72.8	1,680	225	5	µg/kg	1.49	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	126	601	225	5	pg/g	0.534	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	45.4	196	225	5	pg/g	0.174	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	129	155	225	5	pg/g	0.138	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	33.3	33.3	225	5	pg/g	0.0296	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	39.1	325	225	5	pg/g	0.289	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	32.5	39.1	225	5	µg/kg	0.0348	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	35.4	46	225	5	pg/g	0.0409	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	32.3	91.2	225	5	pg/g	0.0811	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	36.1	229	225	5	pg/g	0.204	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	30.9	30.9	225	5	pg/g	0.0275	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	113	113	225	5	pg/g	0.100	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	76.5	113	225	5	pg/g	0.100	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	53.4	213	225	5	pg/g	0.189	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	71.5	153	225	5	pg/g	0.136	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	63	847	225	5	pg/g	0.753	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	44.2	334	225	5	pg/g	0.297	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	42.1	1,900	225	5	pg/g	1.69	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	46.4	3,040	225	5	pg/g	2.70	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	51.9	19.1	225	5	pg/g	0.0170	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	54	54	225	5	pg/g	0.0480	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	52.6	20.2	225	5	pg/g	0.0180	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	57.6	951	225	5	µg/kg	0.845	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	56.6	698	225	5	pg/g	0.620	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	63.4	44.8	225	5	pg/g	0.0398	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	55.8	202	225	5	pg/g	0.180	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	53.8	4,160	225	5	pg/g	3.70	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	4.74	87.8	225	5	pg/g	0.0780	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	36.4	879	225	5	pg/g	0.781	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	41.4	70.8	225	5	µg/kg	0.0629	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	51.6	322	225	5	pg/g	0.286	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	4.69	10.5	225	5	pg/g	0.00933	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	39.3	813	225	5	pg/g	0.723	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	36.5	76.9	225	5	pg/g	0.0684	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	36.1	36.1	225	5	pg/g	0.0321	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	46.6	46.6	225	5	pg/g	0.0414	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	33.7	150	225	5	pg/g	0.133	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	30.6	2,420	225	5	pg/g	2.15	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	38.3	38.3	225	5	pg/g	0.0340	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	33.3	33.3	225	5	pg/g	0.0296	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	37.4	37.4	225	5	pg/g	0.0332	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	36.2	36.2	225	5	pg/g	0.0322	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	33.2	1,700	225	5	pg/g	1.51	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	37.5	37.5	225	5	µg/kg	0.0333	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	30.3	30.3	225	5	pg/g	0.0269	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	40	40	225	5	µg/kg	0.0356	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	34.7	8.12	225	5	pg/g	0.00722	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	46	46	225	5	pg/g	0.0409	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	37.5	37.5	225	5	pg/g	0.0333	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	34.3	1,370	225	5	pg/g	1.22	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	23.8	30,300	225	5	µg/kg	26.9	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	17.5	805	225	5	pg/g	0.716	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	22.7	347	225	5	pg/g	0.308	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	25.7	81.9	225	5	pg/g	0.0728	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	17.2	3,700	225	5	pg/g	3.29	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	19.2	24	225	5	pg/g	0.0213	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	24.2	274	225	5	pg/g	0.244	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	25.8	25.8	225	5	pg/g	0.0229	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	16.9	4,010	225	5	pg/g	3.56	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20.3	176	225	5	pg/g	0.156	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	17.8	2,540	225	5	µg/kg	2.26	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	19.1	8,060	225	5	pg/g	7.16	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	17.4	5,110	225	5	pg/g	4.54	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	10.1	1,460	225	5	pg/g	1.30	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	34.2	296	225	5	pg/g	0.263	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	33.1	33.1	225	5	pg/g	0.0294	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	32.3	85.8	225	5	pg/g	0.0763	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	35.9	35.9	225	5	pg/g	0.0319	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	15	142	225	5	pg/g	0.126	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	40.8	168	225	5	pg/g	0.149	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	33.9	636	225	5	pg/g	0.565	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	39.6	27	225	5	pg/g	0.0240	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	36.4	255	225	5	pg/g	0.227	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	31.8	32.1	225	5	pg/g	0.0285	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	15.1	452	225	5	pg/g	0.402	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	34.8	23.8	225	5	pg/g	0.0212	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	14.1	110	225	5	pg/g	0.0978	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	37.2	132	225	5	pg/g	0.117	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	30.8	30.8	225	5	pg/g	0.0274	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	35.7	35.7	225	5	pg/g	0.0317	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	34.1	34.1	225	5	pg/g	0.0303	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	35.3	35.3	225	5	pg/g	0.0314	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	48.7	6,780	225	5	µg/kg	6.03	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	102	15,900	225	5	µg/kg	14.1	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	32.8	19,100	225	5	µg/kg	17.0	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	15.5	15,600	225	5	µg/kg	13.9	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	13.9	171	225	5	pg/g	0.152	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	13.2	969	225	5	pg/g	0.861	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	8.94	825	225	5	pg/g	0.733	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	12.8	5,890	225	5	pg/g	5.24	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	17.6	964	225	5	pg/g	0.857	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	16.8	262	225	5	pg/g	0.233	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	18.2	482	225	5	pg/g	0.428	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	15.8	289	225	5	pg/g	0.257	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	19.1	19.1	225	5	pg/g	0.0170	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	19.3	19.3	225	5	pg/g	0.0172	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	18.7	274	225	5	pg/g	0.244	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	8.97	8.97	225	5	pg/g	0.00797	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	9.24	481	225	5	pg/g	0.428	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	16.5	760	225	5	pg/g	0.676	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	8.47	3,690	225	5	pg/g	3.28	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	18.1	216	225	5	pg/g	0.192	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	16.1	69.9	225	5	pg/g	0.0621	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	18.3	273	225	5	pg/g	0.243	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	17.2	17.2	225	5	pg/g	0.0153	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	17.6	17.6	225	5	pg/g	0.0156	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	202,000	225	5	pg/g	87,378	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	3.83	232	225	5	pg/g	0.206	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	3.97	859	225	5	pg/g	0.764	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	4.7	16.4	225	5	pg/g	0.0146	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	2.56	13.8	225	5	pg/g	12.3	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	2.57	23.5	225	5	pg/g	0.0209	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.78	12.5	225	5	pg/g	0.0111	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.21	41.8	225	5	pg/g	0.0372	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.95	2.95	225	5	pg/g	0.00262	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.12	36.4	225	5	pg/g	0.0324	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.55	1.55	225	5	pg/g	0.00138	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	6.35	11.2	225	5	pg/g	9.96	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	2.88	18.8	225	5	pg/g	0.0167	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.56	6.11	225	5	pg/g	5.43	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	2.88	2.88	225	5	pg/g	2.56	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	4.08	4.08	225	5	pg/g	3.63	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	3.97	1,550	225	5	pg/g	1.38	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	2.78	305	225	5	pg/g	0.271	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	2.29	298	225	5	pg/g	0.265	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	4.45	473	225	5	pg/g	0.420	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	14	6,400	225	5	pg/g	5.69	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	1.55	88.3	225	5	pg/g	0.0785	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	6.35	11.2	225	5	pg/g	0.00996	
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	2.88	34.1	225	5	µg/kg	0.0303	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	4.08	4.08	225	5	pg/g	0.00363	U
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	4.24	538	225	5	pg/g	0.478	J
SIB-SE-AAM107-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	43.2	225	5	pg/g	38.4	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	2,000	1,360	241.5	51	µg/kg	0.110	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,000	2,780	241.5	51	µg/kg	0.226	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	4,140	241.5	51	µg/kg	0.336	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1000	1000	241.5	51	µg/kg	0.0812	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1000	3,010	241.5	51	µg/kg	0.244	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	3,510	241.5	51	µg/kg	0.285	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	2,000	3,240	241.5	51	µg/kg	0.263	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,000	12,100	241.5	51	µg/kg	0.982	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	15,300	241.5	51	µg/kg	1.24	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	23,000	241.5	51	µg/kg	1.87	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1000	1000	241.5	51	µg/kg	0.0812	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	20	27.3	241.5	51	pg/g	0.00222	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	20	448	241.5	51	pg/g	0.0364	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	20	11,200	241.5	51	µg/kg	0.909	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	20	4,880	241.5	51	pg/g	0.396	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	20	110	241.5	51	pg/g	0.00893	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	20	890	241.5	51	pg/g	0.0723	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	40	271	241.5	51	pg/g	0.0220	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20	757	241.5	51	pg/g	0.0615	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20	473	241.5	51	pg/g	0.0384	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	40	1,730	241.5	51	pg/g	0.140	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	20	400	241.5	51	pg/g	0.0325	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	20	873	241.5	51	pg/g	0.0709	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	40	651	241.5	51	pg/g	0.0529	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	20	304	241.5	51	pg/g	0.0247	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	60	4,010	241.5	51	pg/g	0.326	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	20	68.6	241.5	51	pg/g	0.00557	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	40	40	241.5	51	pg/g	0.00325	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	20	143	241.5	51	pg/g	0.0116	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	40	40	241.5	51	pg/g	0.00325	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	20	496	241.5	51	pg/g	0.0403	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	40	40	241.5	51	pg/g	0.00325	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	40	40	241.5	51	pg/g	0.00325	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	20	85.3	241.5	51	pg/g	0.00693	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	40	372	241.5	51	pg/g	0.0302	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	20	354	241.5	51	pg/g	0.0287	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	20	16.6	241.5	51	pg/g	0.00135	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	20	283	241.5	51	pg/g	0.0230	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	20	212	241.5	51	µg/kg	0.0172	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	20	1,410	241.5	51	µg/kg	0.114	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	20	396	241.5	51	pg/g	0.0322	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	20	178	241.5	51	pg/g	0.0145	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	20	148	241.5	51	pg/g	0.0120	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	40	420	241.5	51	pg/g	0.0341	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	20	265	241.5	51	pg/g	0.0215	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	20	178	241.5	51	pg/g	0.0145	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	100	100	241.5	51	pg/g	0.00812	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	60	165	241.5	51	pg/g	0.0134	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	20	247	241.5	51	pg/g	0.0201	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	20	21.7	241.5	51	pg/g	0.00176	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	40	40	241.5	51	pg/g	0.00325	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	20	20	241.5	51	µg/kg	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	80	80	241.5	51	pg/g	0.00650	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	20	17,500	241.5	51	µg/kg	1.42	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20	1,080	241.5	51	µg/kg	0.0877	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	60	4,420	241.5	51	pg/g	0.359	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	1,110	241.5	51	pg/g	0.0901	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	20	72.5	241.5	51	pg/g	0.00589	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	20	177	241.5	51	pg/g	0.0144	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	5,990	241.5	51	µg/kg	0.486	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	20	16,800	241.5	51	µg/kg	1.36	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	17,300	241.5	51	µg/kg	1.40	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	20	12,400	241.5	51	µg/kg	1.01	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	20	4,020	241.5	51	pg/g	0.326	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	60	60	241.5	51	pg/g	0.00487	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	20	2,060	241.5	51	pg/g	0.167	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	UJ
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	20	20	241.5	51	pg/g	0.00162	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	117,000	241.5	51	pg/g	2,785	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	77.4	241.5	51	pg/g	0.00628	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	652	241.5	51	pg/g	0.0529	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	25	25	241.5	51	pg/g	0.00203	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	25	5	241.5	51	pg/g	0.406	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	25	11	241.5	51	pg/g	0.000893	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	5.52	241.5	51	pg/g	0.000448	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	17.1	241.5	51	pg/g	0.00139	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	25	241.5	51	pg/g	0.00203	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	13.4	241.5	51	pg/g	0.00109	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	25	25	241.5	51	pg/g	0.00203	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	25	5.53	241.5	51	pg/g	0.449	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	25	7.88	241.5	51	pg/g	0.000640	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	25	3.54	241.5	51	pg/g	0.287	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5	5	241.5	51	pg/g	0.406	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5	5	241.5	51	pg/g	0.406	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	25	1,330	241.5	51	pg/g	0.108	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	25	108	241.5	51	pg/g	0.00877	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	25	155	241.5	51	pg/g	0.0126	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	50	171	241.5	51	pg/g	0.0139	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	50	6,220	241.5	51	pg/g	0.505	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	25	49.2	241.5	51	pg/g	0.00399	J
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	25	16.6	241.5	51	pg/g	0.00135	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	5	5	241.5	51	µg/kg	0.000406	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5	5	241.5	51	pg/g	0.000406	U
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	25	173	241.5	51	pg/g	0.0140	
SIB-SE-AAM107-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	26.3	241.5	51	pg/g	2.14	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	NE	NE	NE	2,000	209	208.5	33	µg/kg	0.0304	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	NE	NE	NE	2,000	437	208.5	33	µg/kg	0.0635	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	646	208.5	33	µg/kg	0.0939	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	NE	NE	NE	1000	1000	208.5	33	µg/kg	0.145	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	NE	NE	NE	1000	456	208.5	33	µg/kg	0.0663	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	956	208.5	33	µg/kg	0.139	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	NE	NE	NE	2,000	2,000	208.5	33	µg/kg	0.291	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	NE	NE	NE	2,000	547	208.5	33	µg/kg	0.0795	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	1,550	208.5	33	µg/kg	0.225	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	3,150	208.5	33	µg/kg	0.458	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	0.07	NE	NE	1000	1000	208.5	33	µg/kg	0.145	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	4.5	4.5	208.5	33	pg/g	0.000654	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	3.11	54	208.5	33	pg/g	0.00785	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	4.59	152	208.5	33	pg/g	0.0221	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	2.68	7.27	208.5	33	pg/g	0.00106	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	3.11	109	208.5	33	pg/g	0.0158	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	7.04	28.2	208.5	33	pg/g	0.00410	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	4.44	9,200	208.5	33	µg/kg	1.34	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	4.3	6,040	208.5	33	pg/g	0.878	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	3.71	26.3	208.5	33	pg/g	0.00382	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	3.53	1,310	208.5	33	pg/g	0.190	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	4.32	9.52	208.5	33	pg/g	0.00138	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	3.89	13.2	208.5	33	pg/g	0.00192	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	3.02	122	208.5	33	pg/g	0.0177	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	4.05	1,520	208.5	33	pg/g	0.221	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	4.46	4.46	208.5	33	pg/g	0.000648	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	4.34	4.34	208.5	33	pg/g	0.000631	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	10.4	67.6	208.5	33	pg/g	0.00982	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	9.92	22.7	208.5	33	pg/g	0.00330	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	9.24	11.9	208.5	33	pg/g	0.00173	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	8.5	60.5	208.5	33	pg/g	0.00879	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	8.78	37.9	208.5	33	pg/g	0.00551	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	9.45	9.45	208.5	33	pg/g	0.00137	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	2.47	5.89	208.5	33	pg/g	0.000856	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	3.14	13.7	208.5	33	pg/g	0.00199	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	2.17	17.3	208.5	33	pg/g	0.00251	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	8.03	146	208.5	33	pg/g	0.0212	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	7.93	7.93	208.5	33	pg/g	0.00115	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	8.4	8.4	208.5	33	pg/g	0.00122	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	8.85	36.1	208.5	33	pg/g	0.00525	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	2.35	2.35	208.5	33	pg/g	0.000342	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	9.9	9.9	208.5	33	µg/kg	0.00144	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	7.68	87.1	208.5	33	pg/g	0.0127	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	2.07	2.07	208.5	33	pg/g	0.000301	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	2.52	2.52	208.5	33	pg/g	0.000366	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	15.7	15.7	208.5	33	pg/g	0.00228	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	7.67	10.8	208.5	33	pg/g	0.00157	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	7.47	7.47	208.5	33	pg/g	0.00109	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	6.56	6.56	208.5	33	pg/g	0.000953	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	15	63.2	208.5	33	pg/g	0.00919	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	4.94	27.7	208.5	33	pg/g	0.00403	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	4.06	340	208.5	33	pg/g	0.0494	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	4.33	106	208.5	33	pg/g	0.0154	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	4.5	6.61	208.5	33	pg/g	0.000961	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	3.99	3.99	208.5	33	pg/g	0.000580	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	4.18	119	208.5	33	pg/g	0.0173	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	5.3	21.7	208.5	33	pg/g	0.00315	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	3.12	47.6	208.5	33	pg/g	0.00692	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	4.45	17.7	208.5	33	pg/g	0.00257	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	4.07	8.01	208.5	33	pg/g	0.00116	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	4.39	60.2	208.5	33	pg/g	0.00875	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	3.59	60.5	208.5	33	pg/g	0.00879	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	4.08	4.08	208.5	33	pg/g	0.000593	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	4.51	4.51	208.5	33	pg/g	0.000655	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	4.22	16	208.5	33	pg/g	0.00233	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	4.14	4.14	208.5	33	pg/g	0.000602	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	4	259	208.5	33	pg/g	0.0376	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	2.74	2.74	208.5	33	pg/g	0.000398	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	3	3	208.5	33	pg/g	0.000436	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	2.57	2.57	208.5	33	pg/g	0.000374	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	3.33	240	208.5	33	pg/g	0.0349	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	3.96	9.43	208.5	33	pg/g	0.00137	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	2.86	2.86	208.5	33	pg/g	0.000416	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	21	54.8	208.5	33	pg/g	0.00796	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	3.14	31.8	208.5	33	pg/g	0.00462	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	11.5	11.5	208.5	33	pg/g	0.00167	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	13.5	13.5	208.5	33	pg/g	0.00196	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	3.53	3.53	208.5	33	pg/g	0.000513	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	3	3	208.5	33	pg/g	0.000436	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	NE	NE	NE	3.08	16.8	208.5	33	pg/g	0.00244	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	3.5	3.5	208.5	33	pg/g	0.000509	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	38.8	38.8	208.5	33	pg/g	0.00564	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	3.11	170	208.5	33	µg/kg	0.0247	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	21.8	18.5	208.5	33	µg/kg	0.00269	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	28.5	28.5	208.5	33	pg/g	0.00414	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	14	14	208.5	33	pg/g	0.00203	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	15.1	18.5	208.5	33	pg/g	0.00269	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	15.8	143	208.5	33	µg/kg	0.0208	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	21.3	31.9	208.5	33	pg/g	0.00464	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	13.7	18.2	208.5	33	pg/g	0.00265	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	22.4	22.4	208.5	33	pg/g	0.00326	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	10.6	10.6	208.5	33	pg/g	0.00154	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	12.5	41.9	208.5	33	pg/g	0.00609	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	10.8	10.8	208.5	33	µg/kg	0.00157	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	11.5	14.1	208.5	33	pg/g	0.00205	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	11.3	15	208.5	33	pg/g	0.00218	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	11.2	21.9	208.5	33	pg/g	0.00318	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	9.98	9.98	208.5	33	pg/g	0.00145	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20.4	20.4	208.5	33	pg/g	0.00296	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	14.3	19.1	208.5	33	pg/g	0.00278	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	8.06	33.5	208.5	33	pg/g	0.00487	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	9.19	30	208.5	33	pg/g	0.00436	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	9.41	97.9	208.5	33	pg/g	0.0142	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	7.47	7.47	208.5	33	pg/g	0.00109	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	6.91	272	208.5	33	pg/g	0.0395	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	7.41	346	208.5	33	pg/g	0.0503	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	7.82	7.82	208.5	33	pg/g	0.00114	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	9.74	120	208.5	33	pg/g	0.0174	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	7.92	7.92	208.5	33	pg/g	0.00115	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	7.37	7.37	208.5	33	µg/kg	0.00107	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	8.33	75	208.5	33	pg/g	0.0109	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	9.26	9.26	208.5	33	pg/g	0.00135	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	8.72	34.7	208.5	33	pg/g	0.00504	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	8.21	392	208.5	33	pg/g	0.0570	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	2.09	14.1	208.5	33	pg/g	0.00205	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	6.47	120	208.5	33	pg/g	0.0174	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	6.41	9.88	208.5	33	µg/kg	0.00144	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	7.85	42.4	208.5	33	pg/g	0.00616	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	2.09	4.65	208.5	33	pg/g	0.000676	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	6.44	121	208.5	33	pg/g	0.0176	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	6.14	13.4	208.5	33	pg/g	0.00195	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	5.55	5.55	208.5	33	pg/g	0.000807	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	6.92	6.92	208.5	33	pg/g	0.00101	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	5.37	20.7	208.5	33	pg/g	0.00301	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	5.5	335	208.5	33	pg/g	0.0487	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	5.96	5.96	208.5	33	pg/g	0.000866	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	5.17	5.17	208.5	33	pg/g	0.000751	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	6.23	8.75	208.5	33	pg/g	0.00127	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	6.1	6.1	208.5	33	pg/g	0.000887	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	6.15	249	208.5	33	pg/g	0.0362	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	5.31	5.31	208.5	33	µg/kg	0.000772	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	5.04	5.04	208.5	33	pg/g	0.000733	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	6.18	9.31	208.5	33	µg/kg	0.00135	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	5.45	5.45	208.5	33	pg/g	0.000792	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	17.3	17.3	208.5	33	pg/g	0.00251	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	5.81	5.81	208.5	33	pg/g	0.000844	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	11.6	246	208.5	33	pg/g	0.0358	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	8.28	5,050	208.5	33	µg/kg	0.734	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	4.62	137	208.5	33	pg/g	0.0199	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	5.45	56.4	208.5	33	pg/g	0.00820	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	6.73	15.1	208.5	33	pg/g	0.00219	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	4.57	542	208.5	33	pg/g	0.0788	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	4.71	5.15	208.5	33	pg/g	0.000748	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	5.81	52.2	208.5	33	pg/g	0.00759	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	6.46	6.46	208.5	33	pg/g	0.000939	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	4.39	644	208.5	33	pg/g	0.0936	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	5.04	26	208.5	33	pg/g	0.00378	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	4.33	347	208.5	33	µg/kg	0.0504	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	4.87	1,450	208.5	33	pg/g	0.211	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	4.44	774	208.5	33	pg/g	0.112	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	2.25	360	208.5	33	pg/g	0.0523	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	11.3	46.7	208.5	33	pg/g	0.00679	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	10.8	10.8	208.5	33	pg/g	0.00157	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	10.3	10.3	208.5	33	pg/g	0.00150	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	11.6	11.6	208.5	33	pg/g	0.00169	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	4.09	29.8	208.5	33	pg/g	0.00433	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	13.1	25.2	208.5	33	pg/g	0.00366	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	10.7	98.1	208.5	33	pg/g	0.0143	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	12.4	12.4	208.5	33	pg/g	0.00180	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	11.8	36.6	208.5	33	pg/g	0.00532	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	10.2	10.2	208.5	33	pg/g	0.00148	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	3.87	81.3	208.5	33	pg/g	0.0118	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	11.1	11.1	208.5	33	pg/g	0.00161	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	3.76	26.1	208.5	33	pg/g	0.00379	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	16.4	37.3	208.5	33	pg/g	0.00542	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	9.9	9.9	208.5	33	pg/g	0.00144	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	11.9	11.9	208.5	33	pg/g	0.00173	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	11	11	208.5	33	pg/g	0.00160	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	13.5	13.5	208.5	33	pg/g	0.00196	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	9.22	517	208.5	33	µg/kg	0.0751	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	19.2	1,520	208.5	33	µg/kg	0.221	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	7.39	2,400	208.5	33	µg/kg	0.349	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	3.99	5,450	208.5	33	µg/kg	0.792	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	3.98	45.2	208.5	33	pg/g	0.00657	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	3.92	318	208.5	33	pg/g	0.0462	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	2.86	351	208.5	33	pg/g	0.0510	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	3.95	2,440	208.5	33	pg/g	0.355	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	3.89	161	208.5	33	pg/g	0.0234	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	3.67	37.3	208.5	33	pg/g	0.00542	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	3.95	84.3	208.5	33	pg/g	0.0123	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	3.41	64.5	208.5	33	pg/g	0.00937	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	4.13	4.13	208.5	33	pg/g	0.000600	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	4.19	4.19	208.5	33	pg/g	0.000609	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	4.15	54.1	208.5	33	pg/g	0.00786	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	2.97	2.97	208.5	33	pg/g	0.000432	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	2.92	209	208.5	33	pg/g	0.0304	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	3.54	130	208.5	33	pg/g	0.0189	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	2.64	1,460	208.5	33	pg/g	0.212	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	4.1	46.1	208.5	33	pg/g	0.00670	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	3.45	19.2	208.5	33	pg/g	0.00279	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	4.02	34.3	208.5	33	pg/g	0.00499	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	3.82	3.82	208.5	33	pg/g	0.000555	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	3.81	3.81	208.5	33	pg/g	0.000554	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	49,200	208.5	33	pg/g	3,590	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.93	12.5	208.5	33	pg/g	0.00182	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.84	69	208.5	33	pg/g	0.0100	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	3.23	3.23	208.5	33	pg/g	0.000469	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.17	1.17	208.5	33	pg/g	0.170	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	1.43	1.43	208.5	33	pg/g	0.000208	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.2	1.2	208.5	33	pg/g	0.000174	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.46	3.24	208.5	33	pg/g	0.000471	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.32	2.34	208.5	33	pg/g	0.000340	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.35	1.35	208.5	33	pg/g	0.000196	UJ
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.22	1.22	208.5	33	pg/g	0.000177	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	1.56	1.56	208.5	33	pg/g	0.227	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	1.17	2.15	208.5	33	pg/g	0.000312	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.32	1.32	208.5	33	pg/g	0.192	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	1.45	1.45	208.5	33	pg/g	0.211	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	1.89	1.89	208.5	33	pg/g	0.275	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	3.07	29.7	208.5	33	µg/kg	0.00432	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	2.84	122	208.5	33	µg/kg	0.0177	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	1.21	16.9	208.5	33	µg/kg	0.00246	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	1.41	22.4	208.5	33	µg/kg	0.00326	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	2.71	26.4	208.5	33	pg/g	0.00384	J
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	3.98	504	208.5	33	pg/g	0.0733	
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	1.27	1.27	208.5	33	µg/kg	0.000185	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	1.56	1.56	208.5	33	µg/kg	0.000227	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	1.89	1.89	208.5	33	µg/kg	0.000275	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	NE	NE	NE	1.45	1.45	208.5	33	µg/kg	0.000211	U
SIB-SE-AAM107-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	4	208.5	33	pg/g	0.581	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	694	5,020	270	5	µg/kg	3.72	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	815	6,530	270	5	µg/kg	4.84	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	11,600	270	5	µg/kg	8.59	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	439	4,450	270	5	µg/kg	3.30	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	553	13,200	270	5	µg/kg	9.78	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	17,700	270	5	µg/kg	13.1	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	1,680	9,700	270	5	µg/kg	7.19	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,010	19,100	270	5	µg/kg	14.1	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	28,800	270	5	µg/kg	21.3	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	58,000	270	5	µg/kg	43.0	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1,180	3,430	270	5	µg/kg	2.54	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	3.93	15.7	270	5	pg/g	0.0116	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	4.57	4.57	270	5	pg/g	0.00339	UJ
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	3.49	520	270	5	pg/g	0.385	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	3.84	3.84	270	5	pg/g	0.00284	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	4.36	4.36	270	5	pg/g	0.00323	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	33.3	518	270	5	pg/g	0.384	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	3.13	25,000	270	5	µg/kg	18.5	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	2.78	223	270	5	pg/g	0.165	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	3.3	143	270	5	pg/g	0.106	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	3.23	492	270	5	pg/g	0.364	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	3.85	3.85	270	5	pg/g	0.00285	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	3.5	46.5	270	5	pg/g	0.0344	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	1.99	12.7	270	5	pg/g	0.00941	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	3.35	23,400	270	5	pg/g	17.3	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	3.79	161	270	5	pg/g	0.119	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	3.77	3.77	270	5	pg/g	0.00279	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	85.1	7,450	270	5	pg/g	5.52	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	76.6	2,210	270	5	pg/g	1.64	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	76.6	1,210	270	5	pg/g	0.896	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	67.9	8,020	270	5	pg/g	5.94	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	69.3	3,870	270	5	pg/g	2.87	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	72.5	265	270	5	pg/g	0.196	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	6.65	677	270	5	pg/g	0.501	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	8.85	870	270	5	pg/g	0.644	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	5.75	1,540	270	5	pg/g	1.14	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	64.6	15,500	270	5	pg/g	11.5	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	60.8	395	270	5	pg/g	0.293	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	67.4	67.4	270	5	pg/g	0.0499	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	64.2	64.2	270	5	pg/g	0.0476	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	6.22	6.22	270	5	pg/g	0.00461	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	83	5,020	270	5	µg/kg	3.72	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	59.5	7,060	270	5	pg/g	5.23	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	5.73	5.73	270	5	pg/g	0.00424	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	6.42	6.42	270	5	pg/g	0.00476	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	91.6	227	270	5	pg/g	0.168	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	62.1	1,520	270	5	pg/g	1.13	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	62.2	362	270	5	pg/g	0.268	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	54.1	54.1	270	5	pg/g	0.0401	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	252	2,570	270	5	pg/g	1.90	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	13.3	1,100	270	5	pg/g	0.815	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	10.4	18,900	270	5	pg/g	14.0	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	11.5	6,770	270	5	pg/g	5.01	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	11.9	212	270	5	pg/g	0.157	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	10.4	177	270	5	pg/g	0.131	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	10.4	6,970	270	5	pg/g	5.16	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	12.2	1,860	270	5	pg/g	1.38	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	2.67	1,570	270	5	pg/g	1.16	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	12.1	551	270	5	pg/g	0.408	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	9.98	207	270	5	pg/g	0.153	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	11.2	6,220	270	5	pg/g	4.61	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	8.87	1,640	270	5	pg/g	1.21	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	11.5	11.5	270	5	pg/g	0.00852	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	12.3	12.3	270	5	pg/g	0.00911	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	10.8	1,130	270	5	pg/g	0.837	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	10.5	10.5	270	5	pg/g	0.00778	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	9.53	15,300	270	5	pg/g	11.3	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	2.35	2.35	270	5	pg/g	0.00174	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	2.55	2.55	270	5	pg/g	0.00189	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	2.19	2.19	270	5	pg/g	0.00162	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	8.18	12,800	270	5	pg/g	9.48	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	10	512	270	5	pg/g	0.379	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	2.22	2.22	270	5	pg/g	0.00164	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	304	2,030	270	5	pg/g	1.50	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	8.01	1,790	270	5	pg/g	1.33	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	194	194	270	5	pg/g	0.144	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	233	233	270	5	pg/g	0.173	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	8.55	8.55	270	5	pg/g	0.00633	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	7.5	460	270	5	pg/g	0.341	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	7.55	1,220	270	5	pg/g	0.904	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	8.84	8.84	270	5	pg/g	0.00655	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	239	239	270	5	pg/g	0.177	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	4.46	201	270	5	µg/kg	0.149	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	44.3	3,750	270	5	µg/kg	2.78	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	54.5	2,710	270	5	pg/g	2.01	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	36.8	315	270	5	pg/g	0.233	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	34.2	734	270	5	pg/g	0.544	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	50.7	12,000	270	5	µg/kg	8.89	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	91.5	2,880	270	5	pg/g	2.13	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	24.5	968	270	5	pg/g	0.717	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	87.7	954	270	5	pg/g	0.707	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	15.4	129	270	5	pg/g	0.0956	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	19.7	3,270	270	5	pg/g	2.42	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	16	339	270	5	µg/kg	0.251	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	16.4	451	270	5	pg/g	0.334	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	14.7	652	270	5	pg/g	0.483	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	18.6	2,220	270	5	pg/g	1.64	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	14.7	652	270	5	pg/g	0.483	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	18.6	2,220	270	5	pg/g	1.64	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	14.6	14.6	270	5	pg/g	0.0108	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	86.8	116	270	5	pg/g	0.0859	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	224	742	270	5	pg/g	0.550	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	71.6	974	270	5	pg/g	0.721	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	85.1	334	270	5	pg/g	0.247	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	84.8	3,020	270	5	pg/g	2.24	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	58.7	983	270	5	pg/g	0.728	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	56.3	13,200	270	5	pg/g	9.78	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	61.7	11,100	270	5	pg/g	8.22	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	69.5	84.5	270	5	pg/g	0.0626	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	79.4	1,370	270	5	pg/g	1.01	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	63.6	63.6	270	5	pg/g	0.0471	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	69.7	69.7	270	5	µg/kg	0.0516	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	75	1,910	270	5	pg/g	1.41	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	82.9	82.9	270	5	pg/g	0.0614	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	72.5	252	270	5	pg/g	0.187	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	73.5	11,700	270	5	pg/g	8.67	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	3.41	22.9	270	5	pg/g	0.0170	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	52.9	2,930	270	5	pg/g	2.17	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	61.4	49.7	270	5	µg/kg	0.0368	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	68.5	68.5	270	5	pg/g	0.0507	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	3.41	3.41	270	5	pg/g	0.00253	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	59.8	2,790	270	5	pg/g	2.07	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	49.2	294	270	5	pg/g	0.218	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	48.8	48.8	270	5	pg/g	0.0361	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	69.5	69.5	270	5	pg/g	0.0515	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	46.7	604	270	5	pg/g	0.447	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	44.1	10,800	270	5	pg/g	8.00	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	50.9	50.9	270	5	pg/g	0.0377	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	43.7	43.7	270	5	pg/g	0.0324	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	57.1	57.1	270	5	pg/g	0.0423	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	50.3	50.3	270	5	pg/g	0.0373	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	52.1	6,830	270	5	pg/g	5.06	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	46.6	46.6	270	5	µg/kg	0.0345	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	41.2	41.2	270	5	pg/g	0.0305	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	56.6	144	270	5	µg/kg	0.107	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	45.7	45.7	270	5	pg/g	0.0339	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	115	115	270	5	pg/g	0.0852	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	57.9	57.9	270	5	pg/g	0.0429	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	32.3	3,810	270	5	pg/g	2.82	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	23.8	22,900	270	5	µg/kg	17.0	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	17.6	1,190	270	5	pg/g	0.881	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	22.2	719	270	5	pg/g	0.533	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	25	330	270	5	pg/g	0.244	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	17	3,450	270	5	pg/g	2.56	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	19.1	82.2	270	5	pg/g	0.0609	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	24.1	222	270	5	pg/g	0.164	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	26.3	451	270	5	pg/g	0.334	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	16.4	1,580	270	5	pg/g	1.17	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	19.9	558	270	5	pg/g	0.413	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	17.2	514	270	5	µg/kg	0.381	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	18.8	432	270	5	pg/g	0.320	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	17	4,250	270	5	pg/g	3.15	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	3.29	3.29	270	5	pg/g	0.00244	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	31.6	730	270	5	pg/g	0.541	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	31.1	65.7	270	5	pg/g	0.0487	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	29.9	29.9	270	5	pg/g	0.0221	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	33.6	152	270	5	pg/g	0.113	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	14.9	249	270	5	pg/g	0.184	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	38.6	485	270	5	pg/g	0.359	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	31.3	1,520	270	5	pg/g	1.13	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	36.2	68.1	270	5	pg/g	0.0504	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	33.9	207	270	5	pg/g	0.153	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	28.8	64.2	270	5	pg/g	0.0476	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	15	1,100	270	5	pg/g	0.815	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	32.1	32.1	270	5	pg/g	0.0238	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	13.8	13.8	270	5	pg/g	0.0102	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	45.9	505	270	5	pg/g	0.374	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	28.3	110	270	5	pg/g	0.0815	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	34.1	30.8	270	5	pg/g	0.0228	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	31.8	31.8	270	5	pg/g	0.0236	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	33.8	33.8	270	5	pg/g	0.0250	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	61.8	56,200	270	5	µg/kg	41.6	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	192	84,800	270	5	µg/kg	62.8	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	56.2	69,400	270	5	µg/kg	51.4	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	8.08	10,800	270	5	µg/kg	8.00	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	6.31	340	270	5	pg/g	0.252	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	5.88	324	270	5	pg/g	0.240	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	4	581	270	5	pg/g	0.430	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	6.04	68.9	270	5	pg/g	0.0510	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	9.46	1,880	270	5	pg/g	1.39	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	9.06	693	270	5	pg/g	0.513	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	9.76	1,210	270	5	pg/g	0.896	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	8.36	147	270	5	pg/g	0.109	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	10.3	10.3	270	5	pg/g	0.00763	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	10.3	10.3	270	5	pg/g	0.00763	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	10.1	402	270	5	pg/g	0.298	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	4.11	15.7	270	5	pg/g	0.0116	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	4.15	56.6	270	5	pg/g	0.0419	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	9.02	1,670	270	5	pg/g	1.24	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	3.82	198	270	5	pg/g	0.147	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	9.91	2,030	270	5	pg/g	1.50	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	8.56	487	270	5	pg/g	0.361	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	10.1	670	270	5	pg/g	0.496	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	9.27	9.27	270	5	pg/g	0.00687	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	9.51	9.51	270	5	pg/g	0.00704	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	571,000	270	5	pg/g	211,852	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	7	216	270	5	pg/g	0.160	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.06	934	270	5	pg/g	0.692	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	8.25	16.6	270	5	pg/g	0.0123	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.11	19.7	270	5	pg/g	14.6	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	2.06	28	270	5	pg/g	0.0207	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.14	14.9	270	5	pg/g	0.0110	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.91	52.5	270	5	pg/g	0.0389	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.21	1.21	270	5	pg/g	0.000896	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.98	44	270	5	pg/g	0.0326	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.98	5.33	270	5	pg/g	0.00395	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.99	14.2	270	5	pg/g	10.5	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	1.12	25.3	270	5	pg/g	0.0187	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.88	14.6	270	5	pg/g	10.8	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	1.58	7.34	270	5	pg/g	5.44	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	3.7	3.7	270	5	pg/g	2.74	U
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	2.06	1,780	270	5	pg/g	1.32	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	1.14	385	270	5	pg/g	0.285	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	1.98	464	270	5	pg/g	0.344	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	2.88	397	270	5	pg/g	0.294	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5.82	5,690	270	5	pg/g	4.21	
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	1.93	199	270	5	pg/g	0.147	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	2.99	121	270	5	pg/g	0.0896	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	1.58	114	270	5	µg/kg	0.0844	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	3.7	22	270	5	pg/g	0.0163	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	7.59	581	270	5	pg/g	0.430	J
SIB-SE-AAM131-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	53.3	270	5	pg/g	39.5	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	2,000	7,540	271.5	6.5	µg/kg	4.27	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,000	22,000	271.5	6.5	µg/kg	12.5	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	29,500	271.5	6.5	µg/kg	16.7	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1000	4,080	271.5	6.5	µg/kg	2.31	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1000	18,900	271.5	6.5	µg/kg	10.7	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	23,000	271.5	6.5	µg/kg	13.0	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	2,000	31,700	271.5	6.5	µg/kg	18.0	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,000	112,000	271.5	6.5	µg/kg	63.5	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	144,000	271.5	6.5	µg/kg	81.6	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	196,000	271.5	6.5	µg/kg	111	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1000	1000	271.5	6.5	µg/kg	0.567	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	20	120	271.5	6.5	pg/g	0.0680	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	20	3,390	271.5	6.5	pg/g	1.92	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	20	659	271.5	6.5	pg/g	0.373	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	20	26,300	271.5	6.5	µg/kg	14.9	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	20	1,900	271.5	6.5	pg/g	1.08	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	20	1,100	271.5	6.5	pg/g	0.623	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	20	4,370	271.5	6.5	pg/g	2.48	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	20	352	271.5	6.5	pg/g	0.199	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	20	87.9	271.5	6.5	pg/g	0.0498	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	60	602	271.5	6.5	pg/g	0.341	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	20	17,000	271.5	6.5	pg/g	9.63	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	40	4,010	271.5	6.5	pg/g	2.27	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20	12,300	271.5	6.5	pg/g	6.97	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20	7,030	271.5	6.5	pg/g	3.98	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	20	546	271.5	6.5	pg/g	0.309	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	20	1,540	271.5	6.5	pg/g	0.873	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	20	2,150	271.5	6.5	pg/g	1.22	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	20	4,010	271.5	6.5	pg/g	2.27	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	40	27,400	271.5	6.5	pg/g	15.5	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	20	5,880	271.5	6.5	pg/g	3.33	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	20	2,280	271.5	6.5	µg/kg	1.29	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	20	12,400	271.5	6.5	pg/g	7.03	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	20	21.6	271.5	6.5	pg/g	0.0122	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	20	621	271.5	6.5	pg/g	0.352	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	20	1,790	271.5	6.5	pg/g	1.01	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	40	4,330	271.5	6.5	pg/g	2.45	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	20	1,750	271.5	6.5	pg/g	0.992	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	60	35,000	271.5	6.5	pg/g	19.8	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	20	9,690	271.5	6.5	pg/g	5.49	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	20	198	271.5	6.5	pg/g	0.112	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	40	8,380	271.5	6.5	pg/g	4.75	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20	1,500	271.5	6.5	pg/g	0.850	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	20	3,350	271.5	6.5	pg/g	1.90	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	20	540	271.5	6.5	pg/g	0.306	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	40	284	271.5	6.5	pg/g	0.161	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	20	7,320	271.5	6.5	pg/g	4.15	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	20	3,420	271.5	6.5	pg/g	1.94	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	20	261	271.5	6.5	pg/g	0.148	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	20	1,420	271.5	6.5	pg/g	0.805	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	20	14.8	271.5	6.5	pg/g	0.00839	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	40	21,200	271.5	6.5	pg/g	12.0	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	40	26,800	271.5	6.5	pg/g	15.2	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	20	306	271.5	6.5	pg/g	0.173	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	40	3,580	271.5	6.5	pg/g	2.03	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	20	3,320	271.5	6.5	pg/g	1.88	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	20	361	271.5	6.5	pg/g	0.205	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	20	198	271.5	6.5	pg/g	0.112	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	20	2,440	271.5	6.5	pg/g	1.38	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	20	1,170	271.5	6.5	µg/kg	0.663	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	20	3,530	271.5	6.5	µg/kg	2.00	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	2,650	271.5	6.5	pg/g	1.50	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	20	252	271.5	6.5	pg/g	0.143	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	20	624	271.5	6.5	pg/g	0.354	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	20	23,200	271.5	6.5	µg/kg	13.1	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	20	6,330	271.5	6.5	pg/g	3.59	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	20	2,850	271.5	6.5	pg/g	1.61	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	20	2,480	271.5	6.5	pg/g	1.41	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	20	229	271.5	6.5	pg/g	0.130	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	40	5,230	271.5	6.5	pg/g	2.96	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	20	692	271.5	6.5	µg/kg	0.392	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	790	271.5	6.5	pg/g	0.448	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	1,030	271.5	6.5	pg/g	0.584	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	20	3,370	271.5	6.5	pg/g	1.91	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	219	271.5	6.5	pg/g	0.124	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	20	1,330	271.5	6.5	pg/g	0.754	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	20	1,410	271.5	6.5	pg/g	0.799	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	20	608	271.5	6.5	pg/g	0.345	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60	1,240	271.5	6.5	pg/g	0.703	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	100	14,800	271.5	6.5	pg/g	8.39	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	60	11,500	271.5	6.5	pg/g	6.52	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	20	20	271.5	6.5	µg/kg	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	20	1,940	271.5	6.5	pg/g	1.10	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	60	60	271.5	6.5	pg/g	0.0340	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	20	9,760	271.5	6.5	pg/g	5.53	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	µg/kg	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	20	4,580	271.5	6.5	pg/g	2.60	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	40	525	271.5	6.5	pg/g	0.297	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	20	150	271.5	6.5	pg/g	0.0850	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	20	694	271.5	6.5	pg/g	0.393	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	20	12,900	271.5	6.5	pg/g	7.31	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	20	223	271.5	6.5	pg/g	0.126	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	20	238	271.5	6.5	pg/g	0.135	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	20	231	271.5	6.5	pg/g	0.131	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	20	10,600	271.5	6.5	pg/g	6.01	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	20	1,590	271.5	6.5	µg/kg	0.901	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	20	166	271.5	6.5	µg/kg	0.0941	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	20	219	271.5	6.5	pg/g	0.124	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	80	5,630	271.5	6.5	pg/g	3.19	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	20	30,800	271.5	6.5	µg/kg	17.5	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	60	1,640	271.5	6.5	pg/g	0.929	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	20	493	271.5	6.5	pg/g	0.279	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	60	60	271.5	6.5	pg/g	0.0340	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20	339	271.5	6.5	pg/g	0.192	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	20	936	271.5	6.5	pg/g	0.530	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	60	60	271.5	6.5	pg/g	0.0340	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	µg/kg	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	60	60	271.5	6.5	pg/g	0.0340	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	UJ
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	20	1,540	271.5	6.5	pg/g	0.873	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	60	349	271.5	6.5	pg/g	0.198	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20	884	271.5	6.5	pg/g	0.501	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20	2,520	271.5	6.5	pg/g	1.43	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	20	106	271.5	6.5	pg/g	0.0601	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20	120	271.5	6.5	pg/g	0.0680	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	20	1,750	271.5	6.5	pg/g	0.992	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	20	951	271.5	6.5	pg/g	0.539	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20	87.8	271.5	6.5	pg/g	0.0498	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	99,000	271.5	6.5	µg/kg	56.1	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	20	137,000	271.5	6.5	µg/kg	77.6	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	80,800	271.5	6.5	µg/kg	45.8	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	20	36,400	271.5	6.5	µg/kg	20.6	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	20	2,200	271.5	6.5	pg/g	1.25	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	20	2,320	271.5	6.5	pg/g	1.31	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	60	3,890	271.5	6.5	pg/g	2.20	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	60	7,040	271.5	6.5	pg/g	3.99	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	20	2,460	271.5	6.5	pg/g	1.39	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	60	4,190	271.5	6.5	pg/g	2.37	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	20	475	271.5	6.5	pg/g	0.269	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	60	1,360	271.5	6.5	pg/g	0.771	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	20	86.4	271.5	6.5	pg/g	0.0490	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	20	389	271.5	6.5	pg/g	0.220	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	20	5,730	271.5	6.5	pg/g	3.25	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	20	1,330	271.5	6.5	pg/g	0.754	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	20	878	271.5	6.5	pg/g	0.498	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	20	242	271.5	6.5	pg/g	0.137	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	20	3,250	271.5	6.5	pg/g	1.84	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	20	20	271.5	6.5	pg/g	0.0113	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	20	34.4	271.5	6.5	pg/g	0.0195	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	841,000	271.5	6.5	pg/g	228,361	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	390	271.5	6.5	pg/g	0.221	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	3,360	271.5	6.5	pg/g	1.90	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	25	32.9	271.5	6.5	pg/g	0.0186	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	25	42.3	271.5	6.5	pg/g	24.0	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	25	36.1	271.5	6.5	pg/g	0.0205	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	25.6	271.5	6.5	pg/g	0.0145	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	85.5	271.5	6.5	pg/g	0.0484	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	25	271.5	6.5	pg/g	0.0142	U
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	55.9	271.5	6.5	pg/g	0.0317	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	25	11.8	271.5	6.5	pg/g	0.00669	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	25	17.5	271.5	6.5	pg/g	9.92	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	25	37.2	271.5	6.5	pg/g	0.0211	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	25	24.3	271.5	6.5	pg/g	13.8	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5	6.64	271.5	6.5	pg/g	3.76	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5	4.83	271.5	6.5	pg/g	2.74	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	25	6,530	271.5	6.5	pg/g	3.70	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	25	621	271.5	6.5	pg/g	0.352	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	25	690	271.5	6.5	pg/g	0.391	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	50	968	271.5	6.5	pg/g	0.549	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	50	29,800	271.5	6.5	pg/g	16.9	
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	25	314	271.5	6.5	pg/g	0.178	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	25	119	271.5	6.5	pg/g	0.0674	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	5	139	271.5	6.5	µg/kg	0.0788	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5	34.7	271.5	6.5	pg/g	0.0197	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	25	1,060	271.5	6.5	pg/g	0.601	J
SIB-SE-AAM131-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	107	271.5	6.5	pg/g	60.6	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	NE	NE	NE	2,000	4,580	229.5	5	µg/kg	3.99	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	NE	NE	NE	2,000	5,700	229.5	5	µg/kg	4.97	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	10,300	229.5	5	µg/kg	8.98	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	NE	NE	NE	1000	4,110	229.5	5	µg/kg	3.58	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	NE	NE	NE	1000	9,050	229.5	5	µg/kg	7.89	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	13,200	229.5	5	µg/kg	11.5	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	NE	NE	NE	2,000	9,030	229.5	5	µg/kg	7.87	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	NE	NE	NE	2,000	16,400	229.5	5	µg/kg	14.3	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	25,400	229.5	5	µg/kg	22.1	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	48,900	229.5	5	µg/kg	42.6	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	0.07	NE	NE	1000	3,260	229.5	5	µg/kg	2.84	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	3.68	3.68	229.5	5	pg/g	0.00321	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	2.18	14.9	229.5	5	pg/g	0.0130	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	3.75	165	229.5	5	pg/g	0.144	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	1.82	26.4	229.5	5	pg/g	0.0230	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	2.12	23.7	229.5	5	pg/g	0.0207	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	4.43	285	229.5	5	pg/g	0.248	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	4.38	11,600	229.5	5	µg/kg	10.1	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	5.01	58.4	229.5	5	pg/g	0.0509	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	3.03	35.5	229.5	5	pg/g	0.0309	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	2.88	134	229.5	5	pg/g	0.117	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	3.53	11.2	229.5	5	pg/g	0.00976	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	3.18	13.2	229.5	5	pg/g	0.0115	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	3.52	3.52	229.5	5	pg/g	0.00307	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	3.31	11,100	229.5	5	pg/g	9.67	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	3.64	90.5	229.5	5	pg/g	0.0789	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	3.55	3.55	229.5	5	pg/g	0.00309	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	24.4	4,750	229.5	5	pg/g	4.14	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	23.6	1,620	229.5	5	pg/g	1.41	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	21.9	752	229.5	5	pg/g	0.655	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20.2	4,770	229.5	5	pg/g	4.16	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20.9	2,600	229.5	5	pg/g	2.27	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	22.4	217	229.5	5	pg/g	0.189	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	2.13	431	229.5	5	pg/g	0.376	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	2.7	547	229.5	5	pg/g	0.477	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	1.87	1,050	229.5	5	pg/g	0.915	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	19.1	8,700	229.5	5	pg/g	7.58	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	18.8	18.8	229.5	5	pg/g	0.0164	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	229.5	5	pg/g	0.0174	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	21	3,300	229.5	5	pg/g	2.88	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	2.02	2.02	229.5	5	pg/g	0.00176	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	23.5	23.5	229.5	5	µg/kg	0.0205	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	18.2	4,680	229.5	5	pg/g	4.08	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	1.78	1.78	229.5	5	pg/g	0.00155	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	2.17	8.57	229.5	5	pg/g	0.00747	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	53.9	268	229.5	5	pg/g	0.234	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	18	821	229.5	5	pg/g	0.715	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	17.8	203	229.5	5	pg/g	0.177	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	15.6	15.6	229.5	5	pg/g	0.0136	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	15.6	15.6	229.5	5	pg/g	0.0136	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	82.7	1,840	229.5	5	pg/g	1.60	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	3.09	589	229.5	5	pg/g	0.513	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	2.54	10,000	229.5	5	pg/g	8.71	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	2.71	3,370	229.5	5	pg/g	2.94	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	2.82	114	229.5	5	pg/g	0.0993	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	2.5	111	229.5	5	pg/g	0.0967	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	2.62	3,380	229.5	5	pg/g	2.95	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	3.32	558	229.5	5	pg/g	0.486	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	1.41	963	229.5	5	pg/g	0.839	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	2.78	166	229.5	5	pg/g	0.145	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	2.54	108	229.5	5	pg/g	0.0941	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	2.75	2,380	229.5	5	pg/g	2.07	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	2.25	1,170	229.5	5	pg/g	1.02	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	2.56	2.56	229.5	5	pg/g	0.00223	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	2.82	2.82	229.5	5	pg/g	0.00246	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	2.64	581	229.5	5	pg/g	0.506	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	2.59	2.59	229.5	5	pg/g	0.00226	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	2.5	7,640	229.5	5	pg/g	6.66	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	1.24	1.24	229.5	5	pg/g	0.00108	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	1.35	11.3	229.5	5	pg/g	0.00985	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	1.16	1.16	229.5	5	pg/g	0.00101	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	2.08	7,740	229.5	5	pg/g	6.75	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	2.48	88.5	229.5	5	pg/g	0.0771	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	1.29	1.29	229.5	5	pg/g	0.00112	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	94.7	1,390	229.5	5	pg/g	1.21	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	1.97	1,030	229.5	5	pg/g	0.898	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	63.2	170	229.5	5	pg/g	0.148	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	74.2	74.2	229.5	5	pg/g	0.0647	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	2.21	2.21	229.5	5	pg/g	0.00193	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	1.88	1.88	229.5	5	pg/g	0.00164	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	1.92	765	229.5	5	pg/g	0.667	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	2.19	2.19	229.5	5	pg/g	0.00191	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	133	133	229.5	5	pg/g	0.116	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	2.15	65	229.5	5	µg/kg	0.0566	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	18	1,630	229.5	5	µg/kg	1.42	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	22.1	1,180	229.5	5	pg/g	1.03	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	12.8	114	229.5	5	pg/g	0.0993	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	13.8	339	229.5	5	pg/g	0.295	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	15.9	6,280	229.5	5	µg/kg	5.47	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	30.4	1,840	229.5	5	pg/g	1.60	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	3.35	679	229.5	5	pg/g	0.592	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	32.1	720	229.5	5	pg/g	0.627	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	2.58	2.58	229.5	5	pg/g	0.00225	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	3.05	1,300	229.5	5	pg/g	1.13	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	2.64	254	229.5	5	µg/kg	0.221	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	2.8	231	229.5	5	pg/g	0.201	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	2.75	372	229.5	5	pg/g	0.324	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	2.73	767	229.5	5	pg/g	0.668	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	2.44	2.44	229.5	5	pg/g	0.00213	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	29.1	114	229.5	5	pg/g	0.0993	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	78.4	563	229.5	5	pg/g	0.491	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	8.37	506	229.5	5	pg/g	0.441	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	9.54	238	229.5	5	pg/g	0.207	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	9.77	1,270	229.5	5	pg/g	1.11	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	7.76	506	229.5	5	pg/g	0.441	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	7.17	3,420	229.5	5	pg/g	2.98	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	7.69	5,020	229.5	5	pg/g	4.37	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	8.12	40.8	229.5	5	pg/g	0.0356	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	10.1	643	229.5	5	pg/g	0.560	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	8.22	8.22	229.5	5	pg/g	0.00716	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	7.65	7.65	229.5	5	µg/kg	0.00667	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	8.65	908	229.5	5	pg/g	0.791	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	9.61	18.8	229.5	5	pg/g	0.0164	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	9.05	9.05	229.5	5	pg/g	0.00789	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	8.52	4,150	229.5	5	pg/g	3.62	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	1.6	14	229.5	5	pg/g	0.0122	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	6.72	1,280	229.5	5	pg/g	1.12	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	6.65	103	229.5	5	µg/kg	0.0898	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	8.15	23.9	229.5	5	pg/g	0.0208	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	1.6	1.6	229.5	5	pg/g	0.00139	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	7.29	1,560	229.5	5	pg/g	1.36	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	6.38	168	229.5	5	pg/g	0.146	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	5.76	5.76	229.5	5	pg/g	0.00502	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	7.53	49.5	229.5	5	pg/g	0.0431	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	5.58	223	229.5	5	pg/g	0.194	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	5.71	5,320	229.5	5	pg/g	4.64	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	6.19	6.19	229.5	5	pg/g	0.00539	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	5.37	13.4	229.5	5	pg/g	0.0117	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	6.79	89.7	229.5	5	pg/g	0.0782	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	6.34	90.6	229.5	5	pg/g	0.0790	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	6.67	3,390	229.5	5	pg/g	2.95	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	5.52	5.52	229.5	5	µg/kg	0.00481	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	5.23	5.23	229.5	5	pg/g	0.00456	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	6.42	40.1	229.5	5	µg/kg	0.0349	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	5.66	5.66	229.5	5	pg/g	0.00493	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	47.4	47.4	229.5	5	pg/g	0.0413	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	6.57	6.57	229.5	5	pg/g	0.00573	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	26.3	1,740	229.5	5	pg/g	1.52	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	15.9	8,170	229.5	5	µg/kg	7.12	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	5.68	396	229.5	5	pg/g	0.345	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	6.7	235	229.5	5	pg/g	0.205	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	8.28	75.3	229.5	5	pg/g	0.0656	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	5.62	1,060	229.5	5	pg/g	0.924	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	5.78	29.7	229.5	5	pg/g	0.0259	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	7.14	53.9	229.5	5	pg/g	0.0470	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	7.95	111	229.5	5	pg/g	0.0967	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	5.4	488	229.5	5	pg/g	0.425	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	6.19	158	229.5	5	pg/g	0.138	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	5.32	68.1	229.5	5	µg/kg	0.0593	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	5.98	114	229.5	5	pg/g	0.0993	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	5.45	1,380	229.5	5	pg/g	1.20	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	2.15	2.15	229.5	5	pg/g	0.00187	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	25.8	349	229.5	5	pg/g	0.304	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	24.5	24.5	229.5	5	pg/g	0.0214	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	23.4	23.4	229.5	5	pg/g	0.0204	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	26.4	90.4	229.5	5	pg/g	0.0788	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	5.03	85.3	229.5	5	pg/g	0.0743	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	29.9	254	229.5	5	pg/g	0.221	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	24.4	705	229.5	5	pg/g	0.614	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	28.3	28.3	229.5	5	pg/g	0.0247	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	27	27	229.5	5	pg/g	0.0235	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	23.3	23.3	229.5	5	pg/g	0.0203	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	4.76	435	229.5	5	pg/g	0.379	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	25.3	25.3	229.5	5	pg/g	0.0220	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	4.62	4.62	229.5	5	pg/g	0.00403	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	35.2	260	229.5	5	pg/g	0.227	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	22.6	86.8	229.5	5	pg/g	0.0756	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	27.1	27.1	229.5	5	pg/g	0.0236	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	25.1	25.1	229.5	5	pg/g	0.0219	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	30.7	30.7	229.5	5	pg/g	0.0268	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	25.1	34,700	229.5	5	µg/kg	30.2	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	77	44,800	229.5	5	µg/kg	39.0	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	12.7	29,100	229.5	5	µg/kg	25.4	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	6.41	3,770	229.5	5	µg/kg	3.29	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	1.93	140	229.5	5	pg/g	0.122	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	1.9	134	229.5	5	pg/g	0.117	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	1.39	233	229.5	5	pg/g	0.203	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	1.92	31	229.5	5	pg/g	0.0270	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	10.5	543	229.5	5	pg/g	0.473	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	9.94	203	229.5	5	pg/g	0.177	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	10.7	342	229.5	5	pg/g	0.298	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	9.23	42	229.5	5	pg/g	0.0366	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	11.2	11.2	229.5	5	pg/g	0.00976	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	11.4	11.4	229.5	5	pg/g	0.00993	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	11.2	109	229.5	5	pg/g	0.0950	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	1.44	4.36	229.5	5	pg/g	0.00380	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	1.42	24.8	229.5	5	pg/g	0.0216	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	9.59	435	229.5	5	pg/g	0.379	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	1.28	89.2	229.5	5	pg/g	0.0777	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	11.1	753	229.5	5	pg/g	0.656	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	9.36	434	229.5	5	pg/g	0.378	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	10.9	252	229.5	5	pg/g	0.220	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	10.4	10.4	229.5	5	pg/g	0.00906	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	10.3	10.3	229.5	5	pg/g	0.00898	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	281,000	229.5	5	pg/g	122,876	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	4.33	182	229.5	5	pg/g	0.159	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.28	840	229.5	5	pg/g	0.732	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	4.88	12.3	229.5	5	pg/g	0.0107	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	3.38	16.8	229.5	5	pg/g	14.6	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	1.6	22.6	229.5	5	pg/g	0.0197	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	3.29	8.46	229.5	5	pg/g	0.00737	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.63	43.7	229.5	5	pg/g	0.0381	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	3.85	3.85	229.5	5	pg/g	0.00336	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.53	34.6	229.5	5	pg/g	0.0302	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.63	1.99	229.5	5	pg/g	0.00173	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.38	10.1	229.5	5	pg/g	8.80	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	3.75	18.2	229.5	5	pg/g	0.0159	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.69	10.6	229.5	5	pg/g	9.24	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	2.03	2.03	229.5	5	pg/g	1.77	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	2.17	2.17	229.5	5	pg/g	1.89	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	4.58	513	229.5	5	µg/kg	0.447	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	2.28	1,540	229.5	5	µg/kg	1.34	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	3.55	306	229.5	5	µg/kg	0.267	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	1.58	282	229.5	5	µg/kg	0.246	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	2.66	356	229.5	5	pg/g	0.310	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5.43	5,520	229.5	5	pg/g	4.81	
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	1.66	126	229.5	5	µg/kg	0.110	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	2.38	42.1	229.5	5	µg/kg	0.0367	J
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL	E1613B	NE	NE	NE	2.17	2.17	229.5	5	µg/kg	0.00189	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	NE	NE	NE	2.03	2.03	229.5	5	µg/kg	0.00177	U
SIB-SE-AAM131-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	41.3	229.5	5	pg/g	36.0	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	1,770	1,770	309	12.5	µg/kg	0.458	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,710	2,710	309	12.5	µg/kg	0.702	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	2,710	2,710	309	12.5	µg/kg	0.702	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1,070	1,070	309	12.5	µg/kg	0.277	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1,100	4,310	309	12.5	µg/kg	1.12	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	4,850	309	12.5	µg/kg	1.26	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	4,150	4,150	309	12.5	µg/kg	1.07	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	5,250	5,250	309	12.5	µg/kg	1.36	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	5,250	5,250	309	12.5	µg/kg	1.36	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	11,800	309	12.5	µg/kg	3.06	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	3,430	3,430	309	12.5	µg/kg	0.888	UJ
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	16.7	16.7	309	12.5	pg/g	0.00432	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	8.19	8.19	309	12.5	pg/g	0.00212	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	14.8	289	309	12.5	pg/g	0.0748	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	8.56	8.56	309	12.5	pg/g	0.00222	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	9.43	9.43	309	12.5	pg/g	0.00244	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	60.9	60.9	309	12.5	pg/g	0.0158	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	15.6	8,090	309	12.5	µg/kg	2.09	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	16.5	16.5	309	12.5	pg/g	0.00427	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	13.8	126	309	12.5	pg/g	0.0326	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	13.3	489	309	12.5	pg/g	0.127	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	16.1	16.1	309	12.5	pg/g	0.00417	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	14.6	14.6	309	12.5	pg/g	0.00378	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	12	12	309	12.5	pg/g	0.00311	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	14.4	14.4	309	12.5	pg/g	0.00373	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	16	16	309	12.5	pg/g	0.00414	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	15.8	15.8	309	12.5	pg/g	0.00409	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	70.2	1,200	309	12.5	pg/g	0.311	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	60.9	337	309	12.5	pg/g	0.0872	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	60.4	222	309	12.5	pg/g	0.0575	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	55.1	1,190	309	12.5	pg/g	0.308	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	55.6	651	309	12.5	pg/g	0.169	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	60.9	56.4	309	12.5	pg/g	0.0146	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	12.5	126	309	12.5	pg/g	0.0326	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	16.5	207	309	12.5	pg/g	0.0536	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	10.7	408	309	12.5	pg/g	0.106	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	49.1	2,320	309	12.5	pg/g	0.601	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	49.8	49.8	309	12.5	pg/g	0.0129	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	53.4	53.4	309	12.5	pg/g	0.0138	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	55.4	616	309	12.5	pg/g	0.159	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	11.8	11.8	309	12.5	pg/g	0.00306	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	60.5	297	309	12.5	µg/kg	0.0769	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	48.9	1,490	309	12.5	pg/g	0.386	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	10.4	10.4	309	12.5	pg/g	0.00269	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	12	12	309	12.5	pg/g	0.00311	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	98	98	309	12.5	pg/g	0.0254	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	46	204	309	12.5	pg/g	0.0528	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	46.8	46.8	309	12.5	pg/g	0.0121	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	40.8	40.8	309	12.5	pg/g	0.0106	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	97.1	791	309	12.5	pg/g	0.205	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	27.8	318	309	12.5	pg/g	0.0823	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	21.9	4,480	309	12.5	pg/g	1.16	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	24.6	1,500	309	12.5	pg/g	0.388	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	25.9	65.2	309	12.5	pg/g	0.0169	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	22.3	63.2	309	12.5	pg/g	0.0164	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	22.7	1,590	309	12.5	pg/g	0.412	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	31.7	243	309	12.5	pg/g	0.0629	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	15.1	594	309	12.5	pg/g	0.154	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	26.1	202	309	12.5	pg/g	0.0523	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	21.6	73.4	309	12.5	pg/g	0.0190	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	24.1	829	309	12.5	pg/g	0.215	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	19.6	540	309	12.5	pg/g	0.140	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	21.7	21.7	309	12.5	pg/g	0.00562	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	25.5	25.5	309	12.5	pg/g	0.00660	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	23.1	204	309	12.5	pg/g	0.0528	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	23	23	309	12.5	pg/g	0.00595	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	20.8	3,350	309	12.5	pg/g	0.867	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	13.4	13.4	309	12.5	pg/g	0.00347	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	14.1	14.1	309	12.5	pg/g	0.00365	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	12.7	12.7	309	12.5	pg/g	0.00329	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	17.6	2,890	309	12.5	pg/g	0.748	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	21.9	72.4	309	12.5	pg/g	0.0187	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	12.4	12.4	309	12.5	pg/g	0.00321	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	142	563	309	12.5	pg/g	0.146	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	16.7	428	309	12.5	pg/g	0.111	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	73	73	309	12.5	pg/g	0.0189	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	87.4	87.4	309	12.5	pg/g	0.0226	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	19.3	19.3	309	12.5	pg/g	0.00500	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	16	16	309	12.5	pg/g	0.00414	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	15.5	212	309	12.5	pg/g	0.0549	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	18.6	18.6	309	12.5	pg/g	0.00482	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	160	160	309	12.5	pg/g	0.0414	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	8.81	79.5	309	12.5	µg/kg	0.0206	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	91.2	247	309	12.5	µg/kg	0.0639	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	125	247	309	12.5	pg/g	0.0639	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	59.9	59.9	309	12.5	pg/g	0.0155	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	57.5	57.5	309	12.5	pg/g	0.0149	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	68.3	1,870	309	12.5	µg/kg	0.484	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	119	479	309	12.5	pg/g	0.124	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	41.4	148	309	12.5	pg/g	0.0383	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	122	171	309	12.5	pg/g	0.0443	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	30.3	30.3	309	12.5	pg/g	0.00784	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	35.6	458	309	12.5	pg/g	0.119	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	29.6	76.7	309	12.5	µg/kg	0.0199	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	32.3	68.6	309	12.5	pg/g	0.0178	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	29.4	138	309	12.5	pg/g	0.0357	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	32.9	334	309	12.5	pg/g	0.0865	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	28.1	28.1	309	12.5	pg/g	0.00728	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	107	107	309	12.5	pg/g	0.0277	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	85	181	309	12.5	pg/g	0.0469	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	52.5	302	309	12.5	pg/g	0.0782	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	70.2	121	309	12.5	pg/g	0.0313	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	61.9	905	309	12.5	pg/g	0.234	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	43.4	431	309	12.5	pg/g	0.112	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	41.3	1,920	309	12.5	pg/g	0.497	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	45.6	3,230	309	12.5	pg/g	0.836	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	50.9	50.9	309	12.5	pg/g	0.0132	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	53	27.7	309	12.5	pg/g	0.00717	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	51.7	51.7	309	12.5	pg/g	0.0134	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	56.6	559	309	12.5	µg/kg	0.145	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	55.6	687	309	12.5	pg/g	0.178	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	62.3	62.3	309	12.5	pg/g	0.0161	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	54.8	54.8	309	12.5	pg/g	0.0142	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	52.9	3,170	309	12.5	pg/g	0.821	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	5.24	22.8	309	12.5	pg/g	0.00590	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	35.7	1,050	309	12.5	pg/g	0.272	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	40.6	61.9	309	12.5	µg/kg	0.0160	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	50.7	106	309	12.5	pg/g	0.0274	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	5.17	5.17	309	12.5	pg/g	0.00134	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	41.9	1,220	309	12.5	pg/g	0.316	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	35.9	114	309	12.5	pg/g	0.0295	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	35.4	35.4	309	12.5	pg/g	0.00917	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	51	59.4	309	12.5	pg/g	0.0154	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	33.1	149	309	12.5	pg/g	0.0386	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	30	3,230	309	12.5	pg/g	0.836	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	37.6	37.6	309	12.5	pg/g	0.00973	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	32.7	37.7	309	12.5	pg/g	0.00976	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	40.9	59.1	309	12.5	pg/g	0.0153	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	35.5	73.1	309	12.5	pg/g	0.0189	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	35.6	2,460	309	12.5	pg/g	0.637	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	36.8	36.8	309	12.5	µg/kg	0.00953	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	29.7	29.7	309	12.5	pg/g	0.00769	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	39.3	63.3	309	12.5	µg/kg	0.0164	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	34.1	34.1	309	12.5	pg/g	0.00883	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	59	59	309	12.5	pg/g	0.0153	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	40	40	309	12.5	pg/g	0.0104	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	38.7	1,650	309	12.5	pg/g	0.427	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	26.7	11,300	309	12.5	µg/kg	2.93	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	20.1	606	309	12.5	pg/g	0.157	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	26.1	404	309	12.5	pg/g	0.105	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	29.5	102	309	12.5	pg/g	0.0264	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	19.8	1,620	309	12.5	pg/g	0.419	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	22.1	36	309	12.5	pg/g	0.00932	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	27.7	154	309	12.5	pg/g	0.0399	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	29.6	179	309	12.5	pg/g	0.0463	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	19.4	1,220	309	12.5	pg/g	0.316	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	23.3	255	309	12.5	pg/g	0.0660	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20.4	236	309	12.5	µg/kg	0.0611	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	21.9	345	309	12.5	pg/g	0.0893	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	2,260	309	12.5	pg/g	0.585	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	7.98	7.98	309	12.5	pg/g	0.00207	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	38.5	352	309	12.5	pg/g	0.0911	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	37.3	37.3	309	12.5	pg/g	0.00966	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	36.4	36.4	309	12.5	pg/g	0.00942	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	40.4	40.4	309	12.5	pg/g	0.0105	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	17.2	124	309	12.5	pg/g	0.0321	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	45.9	187	309	12.5	pg/g	0.0484	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	38.2	732	309	12.5	pg/g	0.190	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	44.6	44.6	309	12.5	pg/g	0.0115	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	41	97	309	12.5	pg/g	0.0251	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	35.8	35.8	309	12.5	pg/g	0.00927	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	17.3	523	309	12.5	pg/g	0.135	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	39.2	39.2	309	12.5	pg/g	0.0101	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	16.2	16.2	309	12.5	pg/g	0.00419	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	43.8	170	309	12.5	pg/g	0.0440	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	34.7	34.7	309	12.5	pg/g	0.00898	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	40.2	40.2	309	12.5	pg/g	0.0104	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	38.4	38.4	309	12.5	pg/g	0.00994	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	39.8	39.8	309	12.5	pg/g	0.0103	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	57.8	9,330	309	12.5	µg/kg	2.42	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	99.7	19,200	309	12.5	µg/kg	4.97	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	36.3	20,100	309	12.5	µg/kg	5.20	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	23.8	7,980	309	12.5	µg/kg	2.07	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	13.7	468	309	12.5	pg/g	0.121	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	13.1	589	309	12.5	pg/g	0.152	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	8.84	897	309	12.5	pg/g	0.232	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	12.7	92.2	309	12.5	pg/g	0.0239	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	33.8	1,510	309	12.5	pg/g	0.391	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	32.1	470	309	12.5	pg/g	0.122	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	34.9	917	309	12.5	pg/g	0.237	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	30.2	156	309	12.5	pg/g	0.0404	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	36.6	36.6	309	12.5	pg/g	0.00948	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	36.9	36.9	309	12.5	pg/g	0.00955	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	35.7	378	309	12.5	pg/g	0.0979	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	8.87	14.6	309	12.5	pg/g	0.00378	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	9.13	79.8	309	12.5	pg/g	0.0207	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	31.7	1,240	309	12.5	pg/g	0.321	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	8.38	346	309	12.5	pg/g	0.0896	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	34.7	327	309	12.5	pg/g	0.0847	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	30.8	158	309	12.5	pg/g	0.0409	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	35	335	309	12.5	pg/g	0.0867	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	33	33	309	12.5	pg/g	0.00854	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	33.7	33.7	309	12.5	pg/g	0.00872	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	150,000	309	12.5	pg/g	18,641	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	4.66	137	309	12.5	pg/g	0.0355	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	3.06	559	309	12.5	pg/g	0.145	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	5.93	10.3	309	12.5	pg/g	0.00267	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.8	10.9	309	12.5	pg/g	2.82	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	4.51	12.1	309	12.5	pg/g	0.00313	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.86	9.22	309	12.5	pg/g	0.00239	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	4.26	32	309	12.5	pg/g	0.00828	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.99	1.99	309	12.5	pg/g	0.000515	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	4.11	23.9	309	12.5	pg/g	0.00619	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	2.82	2.82	309	12.5	pg/g	0.000730	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	5.43	10.4	309	12.5	pg/g	2.69	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	2	9.54	309	12.5	pg/g	0.00247	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	2.77	2.77	309	12.5	pg/g	0.717	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	2.41	2.41	309	12.5	pg/g	0.624	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	2.97	2.97	309	12.5	pg/g	0.769	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	3.06	1,010	309	12.5	pg/g	0.261	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	1.91	188	309	12.5	pg/g	0.0487	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	4.28	199	309	12.5	pg/g	0.0515	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	4.14	277	309	12.5	pg/g	0.0717	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	16.4	3,590	309	12.5	pg/g	0.929	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	2.79	50.8	309	12.5	pg/g	0.0132	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	5.43	10.4	309	12.5	pg/g	0.00269	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	2.41	6.04	309	12.5	µg/kg	0.00156	
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	2.97	2.97	309	12.5	pg/g	0.000769	U
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	5.26	364	309	12.5	pg/g	0.0942	J
SIB-SE-AAM169-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	30.6	309	12.5	pg/g	7.92	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	2,000	1,160	250.5	154	µg/kg	0.0301	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,000	3,200	250.5	154	µg/kg	0.0830	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	4,360	250.5	154	µg/kg	0.113	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1000	1000	250.5	154	µg/kg	0.0259	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1000	1,980	250.5	154	µg/kg	0.0513	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	2,480	250.5	154	µg/kg	0.0643	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	2,000	1,980	250.5	154	µg/kg	0.0513	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,000	7,350	250.5	154	µg/kg	0.191	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	9,330	250.5	154	µg/kg	0.242	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	16,200	250.5	154	µg/kg	0.420	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1000	1000	250.5	154	µg/kg	0.0259	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	20	20.8	250.5	154	pg/g	0.000539	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	20	4,710	250.5	154	µg/kg	0.122	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	20	1,090	250.5	154	pg/g	0.0283	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	40	262	250.5	154	pg/g	0.00679	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	20	168	250.5	154	pg/g	0.00435	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20	899	250.5	154	pg/g	0.0233	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20	557	250.5	154	pg/g	0.0144	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	20	272	250.5	154	pg/g	0.00705	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	40	2,110	250.5	154	pg/g	0.0547	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	20	480	250.5	154	pg/g	0.0124	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	20	81.9	250.5	154	µg/kg	0.00212	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	20	1,120	250.5	154	pg/g	0.0290	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	20	223	250.5	154	pg/g	0.00578	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	40	564	250.5	154	pg/g	0.0146	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	20	199	250.5	154	pg/g	0.00516	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	60	3,780	250.5	154	pg/g	0.0980	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	20	59.2	250.5	154	pg/g	0.00153	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	40	40	250.5	154	pg/g	0.00104	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	20	150	250.5	154	pg/g	0.00389	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	40	40	250.5	154	pg/g	0.00104	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	40	40	250.5	154	pg/g	0.00104	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	40	40	250.5	154	pg/g	0.00104	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	40	490	250.5	154	pg/g	0.0127	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	20	362	250.5	154	pg/g	0.00938	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	20	259	250.5	154	pg/g	0.00671	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	20	169	250.5	154	µg/kg	0.00438	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	20	330	250.5	154	µg/kg	0.00855	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	330	250.5	154	pg/g	0.00855	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	20	2,270	250.5	154	µg/kg	0.0588	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	20	452	250.5	154	pg/g	0.0117	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	20	326	250.5	154	pg/g	0.00845	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	20	224	250.5	154	pg/g	0.00581	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	40	606	250.5	154	pg/g	0.0157	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	20	88.9	250.5	154	µg/kg	0.00230	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	83.2	250.5	154	pg/g	0.00216	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	106	250.5	154	pg/g	0.00275	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	20	388	250.5	154	pg/g	0.0101	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	20	156	250.5	154	pg/g	0.00404	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	100	100	250.5	154	pg/g	0.00259	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	20	20	250.5	154	µg/kg	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	20	20	250.5	154	µg/kg	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	20	1,040	250.5	154	pg/g	0.0270	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	40	40	250.5	154	pg/g	0.00104	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	20	20	250.5	154	µg/kg	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	20	20	250.5	154	µg/kg	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	80	80	250.5	154	pg/g	0.00207	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	20	8,560	250.5	154	µg/kg	0.222	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20	20	250.5	154	µg/kg	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	20	159	250.5	154	pg/g	0.00412	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	7,870	250.5	154	µg/kg	0.204	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	20	15,200	250.5	154	µg/kg	0.394	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	14,800	250.5	154	µg/kg	0.384	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	20	5,780	250.5	154	µg/kg	0.150	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	60	60	250.5	154	pg/g	0.00156	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	UJ
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	20	20	250.5	154	pg/g	0.000518	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	78,600	250.5	154	pg/g	490	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	48.6	250.5	154	pg/g	0.00126	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	376	250.5	154	pg/g	0.00975	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	25	3.85	250.5	154	pg/g	0.0998	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	25	8.3	250.5	154	pg/g	0.000215	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	14.6	250.5	154	pg/g	0.000378	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	10.5	250.5	154	pg/g	0.000272	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	25	25	250.5	154	pg/g	0.648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	25	5.01	250.5	154	pg/g	0.000130	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	25	25	250.5	154	pg/g	0.648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5	5	250.5	154	pg/g	0.130	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5	5	250.5	154	pg/g	0.130	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	25	825	250.5	154	pg/g	0.0214	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	25	64.2	250.5	154	pg/g	0.00166	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	25	121	250.5	154	pg/g	0.00314	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	50	126	250.5	154	pg/g	0.00327	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	50	3,630	250.5	154	pg/g	0.0941	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	25	25	250.5	154	pg/g	0.000648	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	5	5	250.5	154	µg/kg	0.000130	U
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5	2.2	250.5	154	pg/g	0.0000570	J
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	25	114	250.5	154	pg/g	0.00296	
SIB-SE-AAM169-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	31.6	250.5	154	pg/g	0.819	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	NE	NE	NE	2,000	483	279	58.5	µg/kg	0.0296	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	NE	NE	NE	2,000	1,010	279	58.5	µg/kg	0.0619	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	1,490	279	58.5	µg/kg	0.0913	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	NE	NE	NE	1000	1000	279	58.5	µg/kg	0.0613	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	NE	NE	NE	1000	1,260	279	58.5	µg/kg	0.0772	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	1,760	279	58.5	µg/kg	0.108	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	NE	NE	NE	2,000	2,260	279	58.5	µg/kg	0.138	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	NE	NE	NE	2,000	538	279	58.5	µg/kg	0.0330	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	2,800	279	58.5	µg/kg	0.172	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	6,050	279	58.5	µg/kg	0.371	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	0.07	NE	NE	1000	726	279	58.5	µg/kg	0.0445	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	11.9	11.9	279	58.5	pg/g	0.000729	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	18.4	151	279	58.5	pg/g	0.00925	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	12.1	103	279	58.5	pg/g	0.00631	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	6.28	49.8	279	58.5	pg/g	0.00305	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	7.3	53.2	279	58.5	pg/g	0.00326	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	4.58	37.7	279	58.5	pg/g	0.00231	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	11.3	5,180	279	58.5	µg/kg	0.317	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	10.5	295	279	58.5	pg/g	0.0181	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	9.82	66.9	279	58.5	pg/g	0.00410	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	9.34	178	279	58.5	pg/g	0.0109	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	11.4	14	279	58.5	pg/g	0.000858	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	10.3	17.8	279	58.5	pg/g	0.00109	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	7.37	19.7	279	58.5	pg/g	0.00121	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	10.7	4,450	279	58.5	pg/g	0.273	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	11.8	43	279	58.5	pg/g	0.00263	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	11.5	11.5	279	58.5	pg/g	0.000705	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	13.3	217	279	58.5	pg/g	0.0133	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	12.6	75.6	279	58.5	pg/g	0.00463	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	11.8	40.9	279	58.5	pg/g	0.00251	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	10.8	224	279	58.5	pg/g	0.0137	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	11.2	119	279	58.5	pg/g	0.00729	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	12	12	279	58.5	pg/g	0.000735	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	3.62	32.6	279	58.5	pg/g	0.00200	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	4.6	42.1	279	58.5	pg/g	0.00258	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	3.18	69.4	279	58.5	pg/g	0.00425	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	10.2	420	279	58.5	pg/g	0.0257	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	10.1	10.1	279	58.5	pg/g	0.000619	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	10.7	10.7	279	58.5	pg/g	0.000656	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	11.3	133	279	58.5	pg/g	0.00815	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	3.45	3.45	279	58.5	pg/g	0.000211	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	12.6	24.6	279	58.5	µg/kg	0.00151	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	9.77	276	279	58.5	pg/g	0.0169	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	3.03	3.03	279	58.5	pg/g	0.000186	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	3.7	3.7	279	58.5	pg/g	0.000227	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	23.4	23.4	279	58.5	pg/g	0.00143	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	9.87	30.4	279	58.5	pg/g	0.00186	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	9.51	9.51	279	58.5	pg/g	0.000583	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	8.35	8.35	279	58.5	pg/g	0.000512	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	18	212	279	58.5	pg/g	0.0130	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	8.34	67.1	279	58.5	pg/g	0.00411	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	6.86	966	279	58.5	pg/g	0.0592	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	7.32	328	279	58.5	pg/g	0.0201	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	7.6	15.2	279	58.5	pg/g	0.000931	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	6.74	16.4	279	58.5	pg/g	0.00100	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	7.06	364	279	58.5	pg/g	0.0223	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	8.95	50.8	279	58.5	pg/g	0.00311	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	5.33	164	279	58.5	pg/g	0.0100	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	7.51	38.8	279	58.5	pg/g	0.00238	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	6.86	29	279	58.5	pg/g	0.00178	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	7.42	164	279	58.5	pg/g	0.0100	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	6.07	141	279	58.5	pg/g	0.00864	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	6.89	6.89	279	58.5	pg/g	0.000422	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	7.61	7.61	279	58.5	pg/g	0.000466	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	7.13	49.9	279	58.5	pg/g	0.00306	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	6.99	6.96	279	58.5	pg/g	0.000426	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	6.76	800	279	58.5	pg/g	0.0490	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	4.69	4.69	279	58.5	pg/g	0.000287	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	5.12	6.7	279	58.5	pg/g	0.000411	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	4.4	4.4	279	58.5	pg/g	0.000270	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	5.62	662	279	58.5	pg/g	0.0406	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	6.69	24.1	279	58.5	pg/g	0.00148	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	4.89	4.89	279	58.5	pg/g	0.000300	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	24	152	279	58.5	pg/g	0.00931	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	5.3	94.7	279	58.5	pg/g	0.00580	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	13.8	13.8	279	58.5	pg/g	0.000846	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	16.2	16.2	279	58.5	pg/g	0.000993	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	5.96	5.96	279	58.5	pg/g	0.000365	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	5.07	5.07	279	58.5	pg/g	0.000311	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	NE	NE	NE	5.19	66.1	279	58.5	pg/g	0.00405	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	5.91	5.91	279	58.5	pg/g	0.000362	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	51.9	51.9	279	58.5	pg/g	0.00318	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	12.8	254	279	58.5	µg/kg	0.0156	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	27.2	72.5	279	58.5	µg/kg	0.00444	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	34.7	72.5	279	58.5	pg/g	0.00444	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	18.4	18.4	279	58.5	pg/g	0.00113	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	19.8	19.8	279	58.5	pg/g	0.00121	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	23.6	373	279	58.5	µg/kg	0.0229	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	34	101	279	58.5	pg/g	0.00619	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	18	46.3	279	58.5	pg/g	0.00284	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	35.8	37.6	279	58.5	pg/g	0.00230	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	13.8	13.8	279	58.5	pg/g	0.000846	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	16.4	99	279	58.5	pg/g	0.00607	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	14.2	14.2	279	58.5	µg/kg	0.000870	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	15	15	279	58.5	pg/g	0.000919	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	14.8	34.4	279	58.5	pg/g	0.00211	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	14.6	55.2	279	58.5	pg/g	0.00338	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	13.1	13.1	279	58.5	pg/g	0.000803	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	32.5	32.5	279	58.5	pg/g	0.00199	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	17.1	48.1	279	58.5	pg/g	0.00295	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	8.09	95.6	279	58.5	pg/g	0.00586	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	9.22	40.8	279	58.5	pg/g	0.00250	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	9.44	276	279	58.5	pg/g	0.0169	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	7.49	152	279	58.5	pg/g	0.00931	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	6.93	569	279	58.5	pg/g	0.0349	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	7.43	932	279	58.5	pg/g	0.0571	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	7.85	7.85	279	58.5	pg/g	0.000481	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	9.77	9.77	279	58.5	pg/g	0.000599	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	7.94	7.69	279	58.5	pg/g	0.000471	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	7.39	183	279	58.5	µg/kg	0.0112	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	8.36	228	279	58.5	pg/g	0.0140	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	9.29	9.29	279	58.5	pg/g	0.000569	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	8.74	21.9	279	58.5	pg/g	0.00134	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	8.23	1,020	279	58.5	pg/g	0.0625	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	2.14	9.75	279	58.5	pg/g	0.000597	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	6.49	376	279	58.5	pg/g	0.0230	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	6.43	25.9	279	58.5	µg/kg	0.00159	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	7.87	50.3	279	58.5	pg/g	0.00308	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	2.15	3.39	279	58.5	pg/g	0.000208	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	6.95	317	279	58.5	pg/g	0.0194	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	6.16	42	279	58.5	pg/g	0.00257	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	5.57	5.75	279	58.5	pg/g	0.000352	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	7.34	14.1	279	58.5	pg/g	0.000864	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	5.39	56.7	279	58.5	pg/g	0.00347	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,6-	E1668	NE	NE	NE	5.52	935	279	58.5	pg/g	0.0573	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	5.98	5.98	279	58.5	pg/g	0.000366	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	5.19	5.19	279	58.5	pg/g	0.000318	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	6.62	18.8	279	58.5	pg/g	0.00115	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	6.12	16.7	279	58.5	pg/g	0.00102	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	6.09	636	279	58.5	pg/g	0.0390	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	5.33	12	279	58.5	µg/kg	0.000735	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	5.05	5.05	279	58.5	pg/g	0.000309	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	6.2	15	279	58.5	µg/kg	0.000919	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	5.47	5.47	279	58.5	pg/g	0.000335	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	24	24	279	58.5	pg/g	0.00147	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	6.26	6.26	279	58.5	pg/g	0.000384	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	12.9	709	279	58.5	pg/g	0.0434	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	10.1	5,170	279	58.5	µg/kg	0.317	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	5.41	277	279	58.5	pg/g	0.0170	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	6.38	165	279	58.5	pg/g	0.0101	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	7.88	34.6	279	58.5	pg/g	0.00212	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	5.35	753	279	58.5	pg/g	0.0461	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	5.51	14.7	279	58.5	pg/g	0.000901	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	6.8	60.8	279	58.5	pg/g	0.00373	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	7.57	150	279	58.5	pg/g	0.00919	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	5.14	592	279	58.5	pg/g	0.0363	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	5.9	98.5	279	58.5	pg/g	0.00603	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	5.07	63.3	279	58.5	µg/kg	0.00388	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	5.7	196	279	58.5	pg/g	0.0120	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	5.19	1,010	279	58.5	pg/g	0.0619	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	5.61	10.8	279	58.5	pg/g	0.000662	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	12.6	166	279	58.5	pg/g	0.0102	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	12	12	279	58.5	pg/g	0.000735	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	11.4	11.4	279	58.5	pg/g	0.000698	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	12.9	12.9	279	58.5	pg/g	0.000790	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	4.79	58.4	279	58.5	pg/g	0.00358	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	14.6	95.3	279	58.5	pg/g	0.00584	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	11.9	308	279	58.5	pg/g	0.0189	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	13.8	18.8	279	58.5	pg/g	0.00115	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	13.2	43.7	279	58.5	pg/g	0.00268	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	11.4	18.6	279	58.5	pg/g	0.00114	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	4.53	232	279	58.5	pg/g	0.0142	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	12.4	21.1	279	58.5	pg/g	0.00129	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	4.4	4.31	279	58.5	pg/g	0.000264	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	19.1	73.8	279	58.5	pg/g	0.00452	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	11	11	279	58.5	pg/g	0.000674	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	13.2	13.2	279	58.5	pg/g	0.000809	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	12.3	12.3	279	58.5	pg/g	0.000754	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	15	15	279	58.5	pg/g	0.000919	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	12.7	1,700	279	58.5	µg/kg	0.104	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	24.5	4,470	279	58.5	µg/kg	0.274	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	8.65	6,060	279	58.5	µg/kg	0.371	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	5.94	3,290	279	58.5	µg/kg	0.202	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	5.26	296	279	58.5	pg/g	0.0181	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	5.18	418	279	58.5	pg/g	0.0256	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	3.78	639	279	58.5	pg/g	0.0392	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	5.22	100	279	58.5	pg/g	0.00613	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	6.43	368	279	58.5	pg/g	0.0225	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	6.06	122	279	58.5	pg/g	0.00747	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	6.54	253	279	58.5	pg/g	0.0155	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	5.63	53.8	279	58.5	pg/g	0.00330	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	6.83	6.83	279	58.5	pg/g	0.000418	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	6.93	10.6	279	58.5	pg/g	0.000649	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	6.86	127	279	58.5	pg/g	0.00778	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	3.93	10.5	279	58.5	pg/g	0.000643	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	3.86	57.1	279	58.5	pg/g	0.00350	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	5.85	289	279	58.5	pg/g	0.0177	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	3.49	237	279	58.5	pg/g	0.0145	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	6.78	128	279	58.5	pg/g	0.00784	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	5.71	68.8	279	58.5	pg/g	0.00422	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	6.65	103	279	58.5	pg/g	0.00631	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	6.32	6.32	279	58.5	pg/g	0.000387	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	6.31	9.84	279	58.5	pg/g	0.000603	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	53,500	279	58.5	pg/g	1,648	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.86	35.9	279	58.5	pg/g	0.00220	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.31	371	279	58.5	pg/g	0.0227	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	3.18	3.18	279	58.5	pg/g	0.000195	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	2.19	3.96	279	58.5	pg/g	0.243	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	2.22	2.22	279	58.5	pg/g	0.000136	UJ
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.16	3.68	279	58.5	pg/g	0.000225	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.15	12.9	279	58.5	pg/g	0.000790	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.43	2.43	279	58.5	pg/g	0.000149	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.15	2.15	279	58.5	pg/g	0.000132	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	2.3	2.3	279	58.5	pg/g	0.000141	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.67	2.67	279	58.5	pg/g	0.164	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	2.36	4.39	279	58.5	pg/g	0.000269	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	2.41	2.41	279	58.5	pg/g	0.148	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	2.61	2.61	279	58.5	pg/g	0.160	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	2.71	2.71	279	58.5	pg/g	0.166	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	3.01	93.5	279	58.5	µg/kg	0.00573	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.31	681	279	58.5	µg/kg	0.0417	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	2.28	51.5	279	58.5	µg/kg	0.00316	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.17	129	279	58.5	µg/kg	0.00790	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	3.75	77.2	279	58.5	pg/g	0.00473	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5.13	2,460	279	58.5	pg/g	0.151	
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	2.35	2.35	279	58.5	µg/kg	0.000144	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.67	15	279	58.5	µg/kg	0.000919	J
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.71	2.71	279	58.5	µg/kg	0.000166	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	NE	NE	NE	2.61	2.61	279	58.5	µg/kg	0.000160	U
SIB-SE-AAM169-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	10.9	279	58.5	pg/g	0.668	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	672	672	270	25	µg/kg	0.0996	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	828	828	270	25	µg/kg	0.123	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	828	828	270	25	µg/kg	0.123	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	488	488	270	25	µg/kg	0.0723	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	505	1,650	270	25	µg/kg	0.244	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	1,890	270	25	µg/kg	0.280	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	1,350	3,560	270	25	µg/kg	0.527	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	1,370	1,370	270	25	µg/kg	0.203	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	4,250	270	25	µg/kg	0.630	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	6,890	270	25	µg/kg	1.02	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1,130	1,130	270	25	µg/kg	0.167	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	12.7	12.7	270	25	pg/g	0.00188	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	6.97	6.97	270	25	pg/g	0.00103	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	11.2	237	270	25	pg/g	0.0351	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	5.61	5.61	270	25	pg/g	0.000831	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	6.19	6.19	270	25	pg/g	0.000917	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	52.7	52.7	270	25	pg/g	0.00781	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	9.5	6,760	270	25	µg/kg	1.00	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	7.76	7.76	270	25	pg/g	0.00115	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	10.5	10.5	270	25	pg/g	0.00156	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	10.1	10.1	270	25	pg/g	0.00150	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	12.2	12.2	270	25	pg/g	0.00181	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	11.1	11.1	270	25	pg/g	0.00164	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	5.64	5.64	270	25	pg/g	0.000836	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	11	11	270	25	pg/g	0.00163	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	12.2	12.2	270	25	pg/g	0.00181	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	12	12	270	25	pg/g	0.00178	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	43.3	524	270	25	pg/g	0.0776	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	37.5	137	270	25	pg/g	0.0203	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	37.2	66.2	270	25	pg/g	0.00981	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	34	424	270	25	pg/g	0.0628	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	34.3	251	270	25	pg/g	0.0372	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	37.5	37.5	270	25	pg/g	0.00556	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	8.32	41.9	270	25	pg/g	0.00621	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	11	74.6	270	25	pg/g	0.0111	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	7.15	127	270	25	pg/g	0.0188	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	30.3	845	270	25	pg/g	0.125	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	30.7	30.7	270	25	pg/g	0.00455	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	32.9	32.9	270	25	pg/g	0.00487	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	34.2	253	270	25	pg/g	0.0375	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	7.85	7.85	270	25	pg/g	0.00116	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	37.3	31.9	270	25	µg/kg	0.00473	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	30.1	465	270	25	pg/g	0.0689	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	6.9	6.9	270	25	pg/g	0.00102	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	7.97	7.97	270	25	pg/g	0.00118	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	38.4	38.4	270	25	pg/g	0.00569	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	28.4	82.4	270	25	pg/g	0.0122	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	28.8	28.8	270	25	pg/g	0.00427	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	25.1	25.1	270	25	pg/g	0.00372	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	54.7	503	270	25	pg/g	0.0745	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	19.5	224	270	25	pg/g	0.0332	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	15.4	3,050	270	25	pg/g	0.452	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	17.2	1,100	270	25	pg/g	0.163	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	18.2	59.1	270	25	pg/g	0.00876	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	15.7	22.6	270	25	pg/g	0.00335	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	16	888	270	25	pg/g	0.132	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	22.3	192	270	25	pg/g	0.0284	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	8.83	328	270	25	pg/g	0.0486	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	18.3	130	270	25	pg/g	0.0193	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	15.1	54.9	270	25	pg/g	0.00813	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	16.9	510	270	25	pg/g	0.0756	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	13.8	345	270	25	pg/g	0.0511	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	15.2	51.2	270	25	pg/g	0.00759	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	17.9	17.9	270	25	pg/g	0.00265	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	16.2	121	270	25	pg/g	0.0179	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	16.2	16.2	270	25	pg/g	0.00240	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	14.6	2,030	270	25	pg/g	0.301	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	7.83	7.83	270	25	pg/g	0.00116	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	8.26	8.26	270	25	pg/g	0.00122	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	7.44	7.44	270	25	pg/g	0.00110	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	12.3	1,910	270	25	pg/g	0.283	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	15.4	26.4	270	25	pg/g	0.00391	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	7.25	7.25	270	25	pg/g	0.00107	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	63.8	377	270	25	pg/g	0.0559	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	11.7	304	270	25	pg/g	0.0450	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	41.2	41.2	270	25	pg/g	0.00610	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	49.2	49.2	270	25	pg/g	0.00729	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	13.5	13.5	270	25	pg/g	0.00200	UJ

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	11.2	11.2	270	25	pg/g	0.00166	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	10.9	189	270	25	pg/g	0.0280	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	13.1	13.1	270	25	pg/g	0.00194	UJ
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	78.1	78.1	270	25	pg/g	0.0116	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	6.58	72.4	270	25	µg/kg	0.0107	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	69.9	99.3	270	25	µg/kg	0.0147	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	100	99.3	270	25	pg/g	0.0147	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	41.1	41.1	270	25	pg/g	0.00609	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	39.4	39.4	270	25	pg/g	0.00584	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	60.1	564	270	25	µg/kg	0.0836	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	109	185	270	25	pg/g	0.0274	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	32.1	82.1	270	25	pg/g	0.0122	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	111	111	270	25	pg/g	0.0164	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	23.5	23.5	270	25	pg/g	0.00348	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	27.6	149	270	25	pg/g	0.0221	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	22.9	22.9	270	25	µg/kg	0.00339	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	25	28	270	25	pg/g	0.00415	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	22.8	40.2	270	25	pg/g	0.00596	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	25.5	80.5	270	25	pg/g	0.0119	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	21.8	21.8	270	25	pg/g	0.00323	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	97.5	97.5	270	25	pg/g	0.0144	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	47.9	103	270	25	pg/g	0.0153	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	36.2	313	270	25	pg/g	0.0464	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	48.4	147	270	25	pg/g	0.0218	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	42.6	966	270	25	pg/g	0.143	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	29.9	395	270	25	pg/g	0.0585	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	28.5	1,960	270	25	pg/g	0.290	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	31.4	3,040	270	25	pg/g	0.450	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	35.1	35.1	270	25	pg/g	0.00520	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	36.5	36.5	270	25	pg/g	0.00541	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	35.6	35.6	270	25	pg/g	0.00527	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	39	402	270	25	µg/kg	0.0596	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	38.3	581	270	25	pg/g	0.0861	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	42.9	42.9	270	25	pg/g	0.00636	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	37.7	37.7	270	25	pg/g	0.00559	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	36.4	2,750	270	25	pg/g	0.407	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	4.73	16.3	270	25	pg/g	0.00241	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	24.6	875	270	25	pg/g	0.130	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	28	56.3	270	25	µg/kg	0.00834	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	34.9	34.9	270	25	pg/g	0.00517	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	4.67	4.67	270	25	pg/g	0.000692	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	26.9	884	270	25	pg/g	0.131	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	24.7	87.8	270	25	pg/g	0.0130	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	24.4	24.4	270	25	pg/g	0.00361	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	28.3	28.3	270	25	pg/g	0.00419	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	22.8	142	270	25	pg/g	0.0210	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	20.7	2,630	270	25	pg/g	0.390	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	25.9	25.9	270	25	pg/g	0.00384	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	22.5	22.5	270	25	pg/g	0.00333	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	22.7	22.7	270	25	pg/g	0.00336	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	24.5	33	270	25	pg/g	0.00489	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	22.4	2,020	270	25	pg/g	0.299	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	25.4	25.4	270	25	µg/kg	0.00376	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20.5	20.5	270	25	pg/g	0.00304	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	27.1	67.3	270	25	µg/kg	0.00997	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	23.5	23.5	270	25	pg/g	0.00348	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	26.8	26.8	270	25	pg/g	0.00397	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	25.7	25.7	270	25	pg/g	0.00381	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	22.5	1,480	270	25	pg/g	0.219	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	18.2	7,600	270	25	µg/kg	1.13	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	14.7	328	270	25	pg/g	0.0486	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	19.1	220	270	25	pg/g	0.0326	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	21.6	116	270	25	pg/g	0.0172	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	14.5	1,060	270	25	pg/g	0.157	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	16.2	17.8	270	25	pg/g	0.00264	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20.3	50.6	270	25	pg/g	0.00750	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	21.7	159	270	25	pg/g	0.0236	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	14.2	561	270	25	pg/g	0.0831	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	17.1	161	270	25	pg/g	0.0239	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	14.9	14.9	270	25	µg/kg	0.00221	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	16.1	114	270	25	pg/g	0.0169	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	14.6	1,770	270	25	pg/g	0.262	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	9.99	9.99	270	25	pg/g	0.00148	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	22.4	259	270	25	pg/g	0.0384	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	21.6	21.6	270	25	pg/g	0.00320	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	21.1	21.1	270	25	pg/g	0.00313	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	23.5	23.5	270	25	pg/g	0.00348	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	12.6	61.1	270	25	pg/g	0.00905	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	26.7	146	270	25	pg/g	0.0216	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	22.1	542	270	25	pg/g	0.0803	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	25.9	25.9	270	25	pg/g	0.00384	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	23.8	23.8	270	25	pg/g	0.00353	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20.8	20.8	270	25	pg/g	0.00308	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	12.7	408	270	25	pg/g	0.0604	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	22.7	22.7	270	25	pg/g	0.00336	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	11.9	11.9	270	25	pg/g	0.00176	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	27.3	105	270	25	pg/g	0.0156	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20.1	20.1	270	25	pg/g	0.00298	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	23.3	23.3	270	25	pg/g	0.00345	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	22.3	22.3	270	25	pg/g	0.00330	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	23.1	23.1	270	25	pg/g	0.00342	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	30.3	3,320	270	25	µg/kg	0.492	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	49.3	12,500	270	25	µg/kg	1.85	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	21.3	17,400	270	25	µg/kg	2.58	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	15.4	3,090	270	25	µg/kg	0.458	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	14.8	177	270	25	pg/g	0.0262	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	14	14	270	25	pg/g	0.00207	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	9.52	9.52	270	25	pg/g	0.00141	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	13.7	13.7	270	25	pg/g	0.00203	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	16.6	600	270	25	pg/g	0.0889	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	15.8	228	270	25	pg/g	0.0338	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	17.1	384	270	25	pg/g	0.0569	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	14.8	46.5	270	25	pg/g	0.00689	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	18	18	270	25	pg/g	0.00267	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	18.1	18.1	270	25	pg/g	0.00268	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	17.5	122	270	25	pg/g	0.0181	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	9.54	9.54	270	25	pg/g	0.00141	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	9.83	9.83	270	25	pg/g	0.00146	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	15.5	544	270	25	pg/g	0.0806	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	9.02	110	270	25	pg/g	0.0163	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	17	103	270	25	pg/g	0.0153	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	15.1	46.4	270	25	pg/g	0.00687	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	17.2	239	270	25	pg/g	0.0354	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	16.2	16.2	270	25	pg/g	0.00240	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	16.5	16.5	270	25	pg/g	0.00244	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	96,600	270	25	pg/g	6,696	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.28	37.1	270	25	pg/g	0.00550	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	3.29	153	270	25	pg/g	0.0227	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	2.7	2.7	270	25	pg/g	0.000400	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.39	3.34	270	25	pg/g	0.495	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	3.18	6.14	270	25	pg/g	0.000910	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.42	3.01	270	25	pg/g	0.000446	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.81	6.92	270	25	pg/g	0.00103	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.58	1.58	270	25	pg/g	0.000234	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.94	5.13	270	25	pg/g	0.000760	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.32	1.32	270	25	pg/g	0.000196	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.74	2.74	270	25	pg/g	0.406	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	1.49	4.05	270	25	pg/g	0.000600	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.34	1.34	270	25	pg/g	0.199	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	1.52	1.52	270	25	pg/g	0.225	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	3.1	3.1	270	25	pg/g	0.459	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	3.29	295	270	25	pg/g	0.0437	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	1.47	54.3	270	25	pg/g	0.00804	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	2.97	61.4	270	25	pg/g	0.00910	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	4.19	64.4	270	25	pg/g	0.00954	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	7.4	1,110	270	25	pg/g	0.164	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	1.33	19.1	270	25	pg/g	0.00283	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	2.74	2.74	270	25	pg/g	0.000406	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	1.52	3.95	270	25	µg/kg	0.000585	J
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	3.1	3.1	270	25	pg/g	0.000459	U
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	2.47	94.1	270	25	pg/g	0.0139	
SIB-SE-AAP957-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	8.4	270	25	pg/g	1.24	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	2,000	2,020	238.5	19	µg/kg	0.446	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,000	4,840	238.5	19	µg/kg	1.07	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	6,860	238.5	19	µg/kg	1.51	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1000	1,070	238.5	19	µg/kg	0.236	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1000	11,100	238.5	19	µg/kg	2.45	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	12,200	238.5	19	µg/kg	2.69	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	2,000	11,400	238.5	19	µg/kg	2.52	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,000	56,600	238.5	19	µg/kg	12.5	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	68,000	238.5	19	µg/kg	15.0	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	87,000	238.5	19	µg/kg	19.2	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1000	6,490	238.5	19	µg/kg	1.43	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	20	77.3	238.5	19	pg/g	0.0171	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	20	1,540	238.5	19	pg/g	0.340	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	20	24,600	238.5	19	µg/kg	5.43	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	20	51.9	238.5	19	pg/g	0.0115	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	20	2,660	238.5	19	pg/g	0.587	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	40	614	238.5	19	pg/g	0.135	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	20	424	238.5	19	pg/g	0.0936	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20	2,210	238.5	19	pg/g	0.488	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20	1,190	238.5	19	pg/g	0.263	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	20	279	238.5	19	pg/g	0.0616	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	20	464	238.5	19	pg/g	0.102	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	20	923	238.5	19	pg/g	0.204	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	40	5,250	238.5	19	pg/g	1.16	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	20	1,290	238.5	19	pg/g	0.285	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	20	2,030	238.5	19	pg/g	0.448	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	20	484	238.5	19	pg/g	0.107	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	40	1,570	238.5	19	pg/g	0.346	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	20	701	238.5	19	pg/g	0.155	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	60	11,100	238.5	19	pg/g	2.45	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	20	3,290	238.5	19	pg/g	0.726	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	20	115	238.5	19	pg/g	0.0254	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	20	143	238.5	19	pg/g	0.0316	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	40	2,600	238.5	19	pg/g	0.574	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20	554	238.5	19	pg/g	0.122	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	20	529	238.5	19	pg/g	0.117	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	40	113	238.5	19	pg/g	0.0249	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	20	1,980	238.5	19	pg/g	0.437	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	20	1,150	238.5	19	pg/g	0.254	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	20	414	238.5	19	pg/g	0.0914	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	40	6,530	238.5	19	pg/g	1.44	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	40	6,990	238.5	19	pg/g	1.54	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	20	76.5	238.5	19	pg/g	0.0169	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	40	1,330	238.5	19	pg/g	0.294	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	20	1,240	238.5	19	pg/g	0.274	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	20	753	238.5	19	pg/g	0.166	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	20	413	238.5	19	µg/kg	0.0911	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	20	946	238.5	19	µg/kg	0.209	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	696	238.5	19	pg/g	0.154	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	20	250	238.5	19	pg/g	0.0552	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	20	5,750	238.5	19	µg/kg	1.27	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	20	1,270	238.5	19	pg/g	0.280	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	20	838	238.5	19	pg/g	0.185	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	20	496	238.5	19	pg/g	0.109	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	40	1,560	238.5	19	pg/g	0.344	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	20	157	238.5	19	µg/kg	0.0346	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	208	238.5	19	pg/g	0.0459	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	289	238.5	19	pg/g	0.0638	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	20	925	238.5	19	pg/g	0.204	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	20	442	238.5	19	pg/g	0.0975	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	20	747	238.5	19	pg/g	0.165	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60	949	238.5	19	pg/g	0.209	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	100	100	238.5	19	pg/g	0.0221	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	20	3,590	238.5	19	pg/g	0.792	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	40	219	238.5	19	pg/g	0.0483	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	20	356	238.5	19	pg/g	0.0786	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	20	8,440	238.5	19	pg/g	1.86	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	20	97.1	238.5	19	pg/g	0.0214	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	20	5,750	238.5	19	pg/g	1.27	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	80	80	238.5	19	pg/g	0.0177	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	20	22,000	238.5	19	µg/kg	4.85	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	20	347	238.5	19	pg/g	0.0766	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20	20	238.5	19	µg/kg	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	20	895	238.5	19	pg/g	0.198	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20	579	238.5	19	pg/g	0.128	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	20	580	238.5	19	pg/g	0.128	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20	75.3	238.5	19	pg/g	0.0166	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	17,800	238.5	19	µg/kg	3.93	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	20	42,800	238.5	19	µg/kg	9.44	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	43,100	238.5	19	µg/kg	9.51	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	20	17,900	238.5	19	µg/kg	3.95	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	UJ
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	60	3,610	238.5	19	pg/g	0.797	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	20	1,200	238.5	19	pg/g	0.265	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	60	2,210	238.5	19	pg/g	0.488	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	60	60	238.5	19	pg/g	0.0132	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	20	3,070	238.5	19	pg/g	0.677	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	20	534	238.5	19	pg/g	0.118	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	20	101	238.5	19	pg/g	0.0223	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	20	1,380	238.5	19	pg/g	0.305	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	20	20	238.5	19	pg/g	0.00441	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	279,000	238.5	19	pg/g	22,950	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	150	238.5	19	pg/g	0.0331	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	1,430	238.5	19	pg/g	0.316	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	25	14.2	238.5	19	pg/g	0.00313	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	25	13.9	238.5	19	pg/g	3.07	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	25	18.2	238.5	19	pg/g	0.00402	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	10.6	238.5	19	pg/g	0.00234	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	38.7	238.5	19	pg/g	0.00854	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	25	238.5	19	pg/g	0.00552	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	24.7	238.5	19	pg/g	0.00545	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	25	4.85	238.5	19	pg/g	0.00107	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	25	9.05	238.5	19	pg/g	2.00	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	25	11.1	238.5	19	pg/g	0.00245	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	25	11.1	238.5	19	pg/g	2.45	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5	4.47	238.5	19	pg/g	0.986	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5	5	238.5	19	pg/g	1.10	U
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	25	2,910	238.5	19	pg/g	0.642	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	25	240	238.5	19	pg/g	0.0530	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	25	352	238.5	19	pg/g	0.0777	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	50	313	238.5	19	pg/g	0.0691	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	50	11,400	238.5	19	pg/g	2.52	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	25	153	238.5	19	pg/g	0.0338	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	25	54.4	238.5	19	pg/g	0.0120	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	5	87.1	238.5	19	µg/kg	0.0192	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5	8.45	238.5	19	pg/g	0.00186	
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	25	383	238.5	19	pg/g	0.0845	J
SIB-SE-AAP957-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	47.9	238.5	19	pg/g	10.6	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	NE	NE	NE	2,000	2,000	220.5	12.5	µg/kg	0.726	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	NE	NE	NE	2,000	556	220.5	12.5	µg/kg	0.202	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	1,560	220.5	12.5	µg/kg	0.566	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	NE	NE	NE	1000	1000	220.5	12.5	µg/kg	0.363	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	NE	NE	NE	1000	1,310	220.5	12.5	µg/kg	0.475	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	1,810	220.5	12.5	µg/kg	0.657	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	NE	NE	NE	2,000	3,160	220.5	12.5	µg/kg	1.15	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	NE	NE	NE	2,000	723	220.5	12.5	µg/kg	0.262	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	3,880	220.5	12.5	µg/kg	1.41	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	7,250	220.5	12.5	µg/kg	2.63	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	0.07	NE	NE	1000	707	220.5	12.5	µg/kg	0.257	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	4.35	4.35	220.5	12.5	pg/g	0.00158	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	2.83	2.83	220.5	12.5	pg/g	0.00103	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	4.44	87.3	220.5	12.5	pg/g	0.0317	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	2.19	14	220.5	12.5	pg/g	0.00508	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	2.57	2.57	220.5	12.5	pg/g	0.000932	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	11.1	78.2	220.5	12.5	pg/g	0.0284	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	4.41	6,180	220.5	12.5	µg/kg	2.24	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	4.39	4.39	220.5	12.5	pg/g	0.00159	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	3.56	14	220.5	12.5	pg/g	0.00508	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	3.49	74.5	220.5	12.5	pg/g	0.0270	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	4.13	4.13	220.5	12.5	pg/g	0.00150	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	3.72	6.97	220.5	12.5	pg/g	0.00253	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	2.96	2.96	220.5	12.5	pg/g	0.00107	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	3.74	5,960	220.5	12.5	pg/g	2.16	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	4.36	4.36	220.5	12.5	pg/g	0.00158	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	4.33	4.33	220.5	12.5	pg/g	0.00157	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	32.6	326	220.5	12.5	pg/g	0.118	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	30.8	105	220.5	12.5	pg/g	0.0381	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	28.7	64	220.5	12.5	pg/g	0.0232	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	27.9	451	220.5	12.5	pg/g	0.164	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	27.7	189	220.5	12.5	pg/g	0.0686	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	29.3	29.3	220.5	12.5	pg/g	0.0106	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	3.88	33.1	220.5	12.5	pg/g	0.0120	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	4.81	45	220.5	12.5	pg/g	0.0163	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	3.37	99.7	220.5	12.5	pg/g	0.0362	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	25	698	220.5	12.5	pg/g	0.253	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	24.8	24.8	220.5	12.5	pg/g	0.00900	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	25.8	25.8	220.5	12.5	pg/g	0.00936	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	26	235	220.5	12.5	pg/g	0.0853	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	3.63	3.63	220.5	12.5	pg/g	0.00132	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	31.9	31.9	220.5	12.5	µg/kg	0.0116	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	24.6	459	220.5	12.5	pg/g	0.167	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	3.24	3.24	220.5	12.5	pg/g	0.00118	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	4.09	4.09	220.5	12.5	pg/g	0.00148	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	38.6	38.6	220.5	12.5	pg/g	0.0140	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	24.4	24.4	220.5	12.5	pg/g	0.00885	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	23.3	23.3	220.5	12.5	pg/g	0.00845	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20.2	20.2	220.5	12.5	pg/g	0.00733	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	71	238	220.5	12.5	pg/g	0.0863	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	9.81	74.8	220.5	12.5	pg/g	0.0271	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	8.15	1,220	220.5	12.5	pg/g	0.443	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	8.55	422	220.5	12.5	pg/g	0.153	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	8.98	8.98	220.5	12.5	pg/g	0.00326	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	7.87	7.87	220.5	12.5	pg/g	0.00286	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	8.5	472	220.5	12.5	pg/g	0.171	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	9.42	74.1	220.5	12.5	pg/g	0.0269	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	3.9	133	220.5	12.5	pg/g	0.0483	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	9.48	9.48	220.5	12.5	pg/g	0.00344	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	8.1	8.1	220.5	12.5	pg/g	0.00294	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	8.45	348	220.5	12.5	pg/g	0.126	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	6.92	163	220.5	12.5	pg/g	0.0591	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	8.92	29.4	220.5	12.5	pg/g	0.0107	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	8.98	8.98	220.5	12.5	pg/g	0.00326	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	8.23	57.8	220.5	12.5	pg/g	0.0210	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	8.25	8.25	220.5	12.5	pg/g	0.00299	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	7.86	998	220.5	12.5	pg/g	0.362	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	3.51	3.51	220.5	12.5	pg/g	0.00127	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	3.65	3.65	220.5	12.5	pg/g	0.00132	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	3.33	3.33	220.5	12.5	pg/g	0.00121	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	6.63	844	220.5	12.5	pg/g	0.306	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	7.86	7.86	220.5	12.5	pg/g	0.00285	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	3.69	3.69	220.5	12.5	pg/g	0.00134	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	82.6	193	220.5	12.5	pg/g	0.0700	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	6.23	119	220.5	12.5	pg/g	0.0432	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	52.8	52.8	220.5	12.5	pg/g	0.0192	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	61.9	61.9	220.5	12.5	pg/g	0.0225	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	6.8	6.8	220.5	12.5	pg/g	0.00247	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	6.11	6.11	220.5	12.5	pg/g	0.00222	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	5.83	110	220.5	12.5	pg/g	0.0399	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	6.9	6.9	220.5	12.5	pg/g	0.00250	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	124	124	220.5	12.5	pg/g	0.0450	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	2.7	34.7	220.5	12.5	µg/kg	0.0126	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	39.4	122	220.5	12.5	µg/kg	0.0443	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	45.7	122	220.5	12.5	pg/g	0.0443	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	30.9	30.9	220.5	12.5	pg/g	0.0112	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	33.1	33.1	220.5	12.5	pg/g	0.0120	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	22.5	555	220.5	12.5	µg/kg	0.201	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	36.3	157	220.5	12.5	pg/g	0.0570	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	10.6	59.8	220.5	12.5	pg/g	0.0217	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	39	55.2	220.5	12.5	pg/g	0.0200	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	7.85	7.85	220.5	12.5	pg/g	0.00285	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	9.68	113	220.5	12.5	pg/g	0.0410	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	9.28	22.7	220.5	12.5	µg/kg	0.00824	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	9.06	28.8	220.5	12.5	pg/g	0.0104	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	9.35	45.4	220.5	12.5	pg/g	0.0165	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	8.73	73.2	220.5	12.5	pg/g	0.0266	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	7.95	7.95	220.5	12.5	pg/g	0.00288	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	35.6	35.6	220.5	12.5	pg/g	0.0129	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	65.5	65.5	220.5	12.5	pg/g	0.0238	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	27.8	117	220.5	12.5	pg/g	0.0424	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	34.4	34.4	220.5	12.5	pg/g	0.0125	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	30.9	267	220.5	12.5	pg/g	0.0969	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	23.7	111	220.5	12.5	pg/g	0.0403	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	24.2	687	220.5	12.5	pg/g	0.249	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	26.2	1000	220.5	12.5	pg/g	0.363	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	27.1	27.1	220.5	12.5	pg/g	0.00983	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	30.5	30.5	220.5	12.5	pg/g	0.0111	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	24.5	24.5	220.5	12.5	pg/g	0.00889	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	28.5	120	220.5	12.5	µg/kg	0.0435	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	29.4	185	220.5	12.5	pg/g	0.0671	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	33	33	220.5	12.5	pg/g	0.0120	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	30	30	220.5	12.5	pg/g	0.0109	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	28.8	809	220.5	12.5	pg/g	0.294	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	1.41	4.13	220.5	12.5	pg/g	0.00150	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20.9	309	220.5	12.5	pg/g	0.112	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	25.9	25.9	220.5	12.5	µg/kg	0.00940	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	27.6	27.6	220.5	12.5	pg/g	0.0100	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	1.54	1.54	220.5	12.5	pg/g	0.000559	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	27.7	344	220.5	12.5	pg/g	0.125	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	20.9	29.7	220.5	12.5	pg/g	0.0108	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	19.7	19.7	220.5	12.5	pg/g	0.00715	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	27.1	27.1	220.5	12.5	pg/g	0.00983	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	19	32.4	220.5	12.5	pg/g	0.0118	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	21	1,150	220.5	12.5	pg/g	0.417	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20.8	20.8	220.5	12.5	pg/g	0.00755	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	18.8	18.8	220.5	12.5	pg/g	0.00682	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	24.6	24.6	220.5	12.5	pg/g	0.00893	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	21.7	25	220.5	12.5	pg/g	0.00907	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	23.9	716	220.5	12.5	pg/g	0.260	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	17.4	17.4	220.5	12.5	µg/kg	0.00631	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	17.1	17.1	220.5	12.5	pg/g	0.00620	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	23.1	23.1	220.5	12.5	µg/kg	0.00838	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	19	19	220.5	12.5	pg/g	0.00689	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	50.1	50.1	220.5	12.5	pg/g	0.0182	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	24.7	24.7	220.5	12.5	pg/g	0.00896	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	22.6	573	220.5	12.5	pg/g	0.208	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	14.4	2,820	220.5	12.5	µg/kg	1.02	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	7.74	163	220.5	12.5	pg/g	0.0591	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	8.54	92.6	220.5	12.5	pg/g	0.0336	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	10	25.8	220.5	12.5	pg/g	0.00936	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	7.52	414	220.5	12.5	pg/g	0.150	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	8.06	13.8	220.5	12.5	pg/g	0.00501	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	9.64	20.6	220.5	12.5	pg/g	0.00747	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	9.5	41.4	220.5	12.5	pg/g	0.0150	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	7.13	194	220.5	12.5	pg/g	0.0704	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	8.23	72.6	220.5	12.5	pg/g	0.0263	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	7.65	24.4	220.5	12.5	µg/kg	0.00885	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	7.91	43.4	220.5	12.5	pg/g	0.0157	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	6.78	411	220.5	12.5	pg/g	0.149	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	1.61	1.61	220.5	12.5	pg/g	0.000584	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	21.9	117	220.5	12.5	pg/g	0.0424	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20.8	20.8	220.5	12.5	pg/g	0.00755	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20.4	20.4	220.5	12.5	pg/g	0.00740	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	23.1	23.1	220.5	12.5	pg/g	0.00838	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	6.67	34.4	220.5	12.5	pg/g	0.0125	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	25.3	77.2	220.5	12.5	pg/g	0.0280	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20.6	253	220.5	12.5	pg/g	0.0918	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	25.3	25.3	220.5	12.5	pg/g	0.00918	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	23.1	23.1	220.5	12.5	pg/g	0.00838	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20.5	20.5	220.5	12.5	pg/g	0.00744	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	6.37	172	220.5	12.5	pg/g	0.0624	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	21.8	21.8	220.5	12.5	pg/g	0.00791	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	5.88	5.88	220.5	12.5	pg/g	0.00213	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	28.8	71.1	220.5	12.5	pg/g	0.0258	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	19.6	19.6	220.5	12.5	pg/g	0.00711	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	23	23	220.5	12.5	pg/g	0.00834	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	21.7	21.7	220.5	12.5	pg/g	0.00787	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	27	27	220.5	12.5	pg/g	0.00980	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	25.2	2,710	220.5	12.5	µg/kg	0.983	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	68.9	5,500	220.5	12.5	µg/kg	2.00	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	24.9	5,900	220.5	12.5	µg/kg	2.14	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	4.71	1,540	220.5	12.5	µg/kg	0.559	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	3.31	74.7	220.5	12.5	pg/g	0.0271	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	3.14	71.3	220.5	12.5	pg/g	0.0259	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	2.31	122	220.5	12.5	pg/g	0.0443	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	3.21	3.21	220.5	12.5	pg/g	0.00116	UJ

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	5.95	259	220.5	12.5	pg/g	0.0940	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	5.69	94.3	220.5	12.5	pg/g	0.0342	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	6.14	162	220.5	12.5	pg/g	0.0588	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	5.3	19.9	220.5	12.5	pg/g	0.00722	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	6.66	6.66	220.5	12.5	pg/g	0.00242	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	6.54	6.54	220.5	12.5	pg/g	0.00237	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	6.51	53.3	220.5	12.5	pg/g	0.0193	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	2.32	2.32	220.5	12.5	pg/g	0.000842	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	2.35	13.2	220.5	12.5	pg/g	0.00479	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	5.28	194	220.5	12.5	pg/g	0.0704	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	2.16	52.4	220.5	12.5	pg/g	0.0190	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	6.23	161	220.5	12.5	pg/g	0.0584	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	5.48	138	220.5	12.5	pg/g	0.0501	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	6.21	112	220.5	12.5	pg/g	0.0406	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	6.02	6.02	220.5	12.5	pg/g	0.00218	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	6.06	6.06	220.5	12.5	pg/g	0.00220	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	51,500	220.5	12.5	pg/g	9,469	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.34	35.6	220.5	12.5	pg/g	0.0129	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	2.44	120	220.5	12.5	pg/g	0.0435	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	2.52	2.52	220.5	12.5	pg/g	0.000914	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.67	2.45	220.5	12.5	pg/g	0.889	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	1.42	1.42	220.5	12.5	pg/g	0.000515	UJ
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.55	2.75	220.5	12.5	pg/g	0.000998	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.35	5.8	220.5	12.5	pg/g	0.00210	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.78	1.78	220.5	12.5	pg/g	0.000646	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.33	1.33	220.5	12.5	pg/g	0.000483	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	1.94	1.94	220.5	12.5	pg/g	0.000704	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.42	2.42	220.5	12.5	pg/g	0.878	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	1.71	2.72	220.5	12.5	pg/g	0.000987	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	1.83	1.83	220.5	12.5	pg/g	0.664	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	1.78	1.78	220.5	12.5	pg/g	0.646	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	1.98	1.98	220.5	12.5	pg/g	0.718	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	2.42	87.4	220.5	12.5	µg/kg	0.0317	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.44	238	220.5	12.5	µg/kg	0.0863	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	1.67	43.9	220.5	12.5	µg/kg	0.0159	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	1.36	54.3	220.5	12.5	µg/kg	0.0197	J
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	3.23	70.3	220.5	12.5	pg/g	0.0255	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	2.78	819	220.5	12.5	pg/g	0.297	
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	1.88	1.88	220.5	12.5	µg/kg	0.000682	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	2.42	2.42	220.5	12.5	µg/kg	0.000878	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	1.98	1.98	220.5	12.5	µg/kg	0.000718	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	NE	NE	NE	1.78	1.78	220.5	12.5	µg/kg	0.000646	U
SIB-SE-AAP957-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	6	220.5	12.5	pg/g	2.18	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	1,130	1,130	310.5	13	µg/kg	0.280	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	1,290	2,600	310.5	13	µg/kg	0.644	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	3,170	310.5	13	µg/kg	0.785	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	759	759	310.5	13	µg/kg	0.188	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	762	7,650	310.5	13	µg/kg	1.90	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	8,030	310.5	13	µg/kg	1.99	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	3,010	5,140	310.5	13	µg/kg	1.27	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,810	24,000	310.5	13	µg/kg	5.95	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	29,100	310.5	13	µg/kg	7.21	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	40,300	310.5	13	µg/kg	9.98	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	2,160	4,710	310.5	13	µg/kg	1.17	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	10.8	13.5	310.5	13	pg/g	0.00334	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	5.53	5.53	310.5	13	pg/g	0.00137	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	9.6	489	310.5	13	pg/g	0.121	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	5.31	5.31	310.5	13	pg/g	0.00132	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	6.02	6.02	310.5	13	pg/g	0.00149	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	133	506	310.5	13	pg/g	0.125	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	7.25	16,100	310.5	13	µg/kg	3.99	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	4.91	4.91	310.5	13	pg/g	0.00122	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	9.09	124	310.5	13	pg/g	0.0307	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	8.88	495	310.5	13	pg/g	0.123	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	10.6	10.6	310.5	13	pg/g	0.00263	UJ
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	9.64	34.1	310.5	13	pg/g	0.00845	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	3.51	12.1	310.5	13	pg/g	0.00300	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	9.23	14,600	310.5	13	pg/g	3.62	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	10.4	114	310.5	13	pg/g	0.0282	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	10.4	10.4	310.5	13	pg/g	0.00258	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	100	2,470	310.5	13	pg/g	0.612	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	112	593	310.5	13	pg/g	0.147	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	112	367	310.5	13	pg/g	0.0909	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	99.1	2,750	310.5	13	pg/g	0.681	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	101	1,450	310.5	13	pg/g	0.359	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	106	106	310.5	13	pg/g	0.0263	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	14.8	183	310.5	13	pg/g	0.0453	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	19.7	300	310.5	13	pg/g	0.0743	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	12.8	566	310.5	13	pg/g	0.140	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	94.3	4,720	310.5	13	pg/g	1.17	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	88.8	229	310.5	13	pg/g	0.0567	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	98.4	98.4	310.5	13	pg/g	0.0244	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	93.7	633	310.5	13	pg/g	0.157	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	13.8	13.8	310.5	13	pg/g	0.00342	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	121	638	310.5	13	µg/kg	0.158	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	86.9	2,350	310.5	13	pg/g	0.582	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	12.8	12.8	310.5	13	pg/g	0.00317	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	14.3	14.3	310.5	13	pg/g	0.00354	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	165	165	310.5	13	pg/g	0.0409	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	72.9	422	310.5	13	pg/g	0.105	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	90.7	90.7	310.5	13	pg/g	0.0225	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	78.9	78.9	310.5	13	pg/g	0.0195	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	244	1,620	310.5	13	pg/g	0.401	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	52.7	408	310.5	13	pg/g	0.101	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	41.3	9,060	310.5	13	pg/g	2.24	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	45.6	3,650	310.5	13	pg/g	0.904	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	47.4	171	310.5	13	pg/g	0.0424	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	41.2	41.2	310.5	13	pg/g	0.0102	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	41.2	3,210	310.5	13	pg/g	0.795	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	48.4	1,440	310.5	13	pg/g	0.357	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	17.4	811	310.5	13	pg/g	0.201	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	47.9	457	310.5	13	pg/g	0.113	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	39.7	145	310.5	13	pg/g	0.0359	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	44.6	2,190	310.5	13	pg/g	0.543	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	35.3	968	310.5	13	pg/g	0.240	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	45.6	116	310.5	13	pg/g	0.0287	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	49	49	310.5	13	pg/g	0.0121	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	42.9	471	310.5	13	pg/g	0.117	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	41.9	41.9	310.5	13	pg/g	0.0104	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	37.9	6,510	310.5	13	pg/g	1.61	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	15.2	15.2	310.5	13	pg/g	0.00377	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	16.5	16.5	310.5	13	pg/g	0.00409	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	14.2	14.2	310.5	13	pg/g	0.00352	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	32.5	5,310	310.5	13	pg/g	1.32	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	39.9	75.5	310.5	13	pg/g	0.0187	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	14.4	14.4	310.5	13	pg/g	0.00357	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	240	970	310.5	13	pg/g	0.240	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	31.8	936	310.5	13	pg/g	0.232	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	188	188	310.5	13	pg/g	0.0466	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	226	226	310.5	13	pg/g	0.0560	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	34	34	310.5	13	pg/g	0.00842	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	29.8	108	310.5	13	pg/g	0.0268	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	30	786	310.5	13	pg/g	0.195	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	35.1	35.1	310.5	13	pg/g	0.00870	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	316	316	310.5	13	pg/g	0.0783	UJ
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	5.77	166	310.5	13	µg/kg	0.0411	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	92.5	528	310.5	13	µg/kg	0.131	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	109	528	310.5	13	pg/g	0.131	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	81.7	81.7	310.5	13	pg/g	0.0202	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	75.7	75.7	310.5	13	pg/g	0.0188	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	96.6	3,750	310.5	13	µg/kg	0.929	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	166	928	310.5	13	pg/g	0.230	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	60.2	497	310.5	13	pg/g	0.123	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	159	250	310.5	13	pg/g	0.0619	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	37.7	37.7	310.5	13	pg/g	0.00934	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	48.4	986	310.5	13	pg/g	0.244	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	39.2	39.2	310.5	13	µg/kg	0.00971	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	40.2	140	310.5	13	pg/g	0.0347	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	36.1	217	310.5	13	pg/g	0.0538	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	45.7	730	310.5	13	pg/g	0.181	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	35.9	35.9	310.5	13	pg/g	0.00889	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	157	157	310.5	13	pg/g	0.0389	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	217	364	310.5	13	pg/g	0.0902	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	73.3	734	310.5	13	pg/g	0.182	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	87	376	310.5	13	pg/g	0.0932	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	86.7	2,460	310.5	13	pg/g	0.609	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60.1	739	310.5	13	pg/g	0.183	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	57.6	4,620	310.5	13	pg/g	1.14	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	63.1	7,040	310.5	13	pg/g	1.74	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	71.1	86.8	310.5	13	pg/g	0.0215	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	81.2	775	310.5	13	pg/g	0.192	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	65.1	65.1	310.5	13	pg/g	0.0161	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	71.2	194	310.5	13	µg/kg	0.0481	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	76.7	1,420	310.5	13	pg/g	0.352	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	84.8	84.8	310.5	13	pg/g	0.0210	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	74.2	74.2	310.5	13	pg/g	0.0184	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	75.2	7,300	310.5	13	pg/g	1.81	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	6.37	6.37	310.5	13	pg/g	0.00158	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	54.2	2,040	310.5	13	pg/g	0.505	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	62.8	202	310.5	13	µg/kg	0.0500	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	70	70	310.5	13	pg/g	0.0173	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	6.38	6.38	310.5	13	pg/g	0.00158	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	90.7	2,160	310.5	13	pg/g	0.535	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	50.3	191	310.5	13	pg/g	0.0473	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	49.9	49.9	310.5	13	pg/g	0.0124	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	81.7	81.7	310.5	13	pg/g	0.0202	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	47.8	223	310.5	13	pg/g	0.0552	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	45.1	7,350	310.5	13	pg/g	1.82	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	52	52	310.5	13	pg/g	0.0129	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	44.7	55.5	310.5	13	pg/g	0.0137	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	67.1	67.1	310.5	13	pg/g	0.0166	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	51.5	161	310.5	13	pg/g	0.0399	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	58.9	4,140	310.5	13	pg/g	1.03	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	47.6	47.6	310.5	13	µg/kg	0.0118	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	42.1	42.1	310.5	13	pg/g	0.0104	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	57.9	57.9	310.5	13	µg/kg	0.0143	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	46.8	46.8	310.5	13	pg/g	0.0116	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	171	171	310.5	13	pg/g	0.0424	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	87.7	87.7	310.5	13	pg/g	0.0217	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	62.7	3,760	310.5	13	pg/g	0.932	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	41.9	20,700	310.5	13	µg/kg	5.13	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	29.1	1,180	310.5	13	pg/g	0.292	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	36.8	737	310.5	13	pg/g	0.183	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	41.3	258	310.5	13	pg/g	0.0639	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	28.1	3,120	310.5	13	pg/g	0.773	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	31.5	99.7	310.5	13	pg/g	0.0247	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	39.9	171	310.5	13	pg/g	0.0424	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	43.4	372	310.5	13	pg/g	0.0922	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	27.2	1,450	310.5	13	pg/g	0.359	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	32.8	522	310.5	13	pg/g	0.129	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	28.4	307	310.5	13	µg/kg	0.0761	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	31.2	356	310.5	13	pg/g	0.0882	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	28.1	3,510	310.5	13	pg/g	0.870	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	8.63	8.63	310.5	13	pg/g	0.00214	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	61.4	740	310.5	13	pg/g	0.183	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	60.5	41.9	310.5	13	pg/g	0.0104	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	58.1	58.1	310.5	13	pg/g	0.0144	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	65.3	96.7	310.5	13	pg/g	0.0240	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	24.6	238	310.5	13	pg/g	0.0590	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	75	481	310.5	13	pg/g	0.119	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	60.7	1,500	310.5	13	pg/g	0.372	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	70.4	58.7	310.5	13	pg/g	0.0145	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	65.9	139	310.5	13	pg/g	0.0344	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	56	106	310.5	13	pg/g	0.0263	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	24.8	1000	310.5	13	pg/g	0.248	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	62.4	62.4	310.5	13	pg/g	0.0155	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	22.9	85.5	310.5	13	pg/g	0.0212	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	76	332	310.5	13	pg/g	0.0822	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	55	84.1	310.5	13	pg/g	0.0208	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	66.2	66.2	310.5	13	pg/g	0.0164	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	61.8	61.8	310.5	13	pg/g	0.0153	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	65.7	65.7	310.5	13	pg/g	0.0163	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	99.3	17,700	310.5	13	µg/kg	4.38	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	197	39,800	310.5	13	µg/kg	9.86	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	74.2	42,300	310.5	13	µg/kg	10.5	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	25.4	10,800	310.5	13	µg/kg	2.68	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	11	373	310.5	13	pg/g	0.0924	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	10.3	363	310.5	13	pg/g	0.0899	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	6.99	622	310.5	13	pg/g	0.154	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	10.6	76.2	310.5	13	pg/g	0.0189	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	37.6	2,390	310.5	13	pg/g	0.592	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	36	848	310.5	13	pg/g	0.210	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	38.8	1,470	310.5	13	pg/g	0.364	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	33.2	173	310.5	13	pg/g	0.0429	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	40.9	40.9	310.5	13	pg/g	0.0101	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	40.9	40.9	310.5	13	pg/g	0.0101	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	40	446	310.5	13	pg/g	0.110	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	7.18	12.9	310.5	13	pg/g	0.00320	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	7.26	57.7	310.5	13	pg/g	0.0143	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	35.8	2,030	310.5	13	pg/g	0.503	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	6.68	204	310.5	13	pg/g	0.0505	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	39.4	753	310.5	13	pg/g	0.187	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	34	241	310.5	13	pg/g	0.0597	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	40.3	729	310.5	13	pg/g	0.181	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	36.9	36.9	310.5	13	pg/g	0.00914	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	37.8	37.8	310.5	13	pg/g	0.00936	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	306,000	310.5	13	pg/g	38,152	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	4.13	411	310.5	13	pg/g	0.102	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	3.07	1,500	310.5	13	pg/g	0.372	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	4.51	30	310.5	13	pg/g	0.00743	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	1.23	30.3	310.5	13	pg/g	7.51	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	3.12	41.4	310.5	13	pg/g	0.0103	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	1.32	21.7	310.5	13	pg/g	0.00538	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	2.8	75.6	310.5	13	pg/g	0.0187	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	1.46	1.46	310.5	13	pg/g	0.000362	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	2.84	62.8	310.5	13	pg/g	0.0156	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	2.23	7.16	310.5	13	pg/g	0.00177	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	2.31	16.1	310.5	13	pg/g	3.99	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	1.5	27.7	310.5	13	pg/g	0.00686	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	2.19	16	310.5	13	pg/g	3.96	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	2.8	2.8	310.5	13	pg/g	0.694	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	3.2	3.2	310.5	13	pg/g	0.793	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	3.07	2,830	310.5	13	pg/g	0.701	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	1.37	515	310.5	13	pg/g	0.128	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	2.91	549	310.5	13	pg/g	0.136	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	5.91	905	310.5	13	pg/g	0.224	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	23.9	11,600	310.5	13	pg/g	2.87	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	2.21	192	310.5	13	pg/g	0.0476	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	2.31	93.3	310.5	13	pg/g	0.0231	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	2.8	60.9	310.5	13	µg/kg	0.0151	J
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	3.2	3.2	310.5	13	pg/g	0.000793	U
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	4.31	1,030	310.5	13	pg/g	0.255	
SIB-SE-AAQ005-FRONT-050522	Particulate	5/5/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	72	310.5	13	pg/g	17.8	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDD; 2,4'-	E1699M	NE	NE	NE	2,000	1,180	252	41	µg/kg	0.114	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDD; P,P'-	E1699M	NE	NE	NE	2,000	2,990	252	41	µg/kg	0.289	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	4,170	252	41	µg/kg	0.404	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDE; O,P'-	E1699M	NE	NE	NE	1000	1000	252	41	µg/kg	0.0968	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDE; P,P'-	E1699M	NE	NE	NE	1000	5,440	252	41	µg/kg	0.527	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	5,940	252	41	µg/kg	0.575	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDT; O,P'-	E1699M	NE	NE	NE	2,000	3,850	252	41	µg/kg	0.373	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DDT; P,P'-	E1699M	NE	NE	NE	2,000	14,700	252	41	µg/kg	1.42	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	18,600	252	41	µg/kg	1.80	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	28,700	252	41	µg/kg	2.78	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	O/P	DIELDRIN	E1699M	0.07	NE	NE	1000	1000	252	41	µg/kg	0.0968	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	20	307	252	41	pg/g	0.0297	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	20	8,130	252	41	µg/kg	0.787	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	20	13.6	252	41	pg/g	0.00132	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	20	2,720	252	41	pg/g	0.263	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	40	618	252	41	pg/g	0.0598	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	20	360	252	41	pg/g	0.0348	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	20	1,950	252	41	pg/g	0.189	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	20	1,070	252	41	pg/g	0.104	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	20	87.8	252	41	pg/g	0.00850	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	20	256	252	41	pg/g	0.0248	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	20	368	252	41	pg/g	0.0356	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	20	723	252	41	pg/g	0.0700	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	40	4,830	252	41	pg/g	0.467	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	20	957	252	41	pg/g	0.0926	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	20	174	252	41	µg/kg	0.0168	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	20	1,840	252	41	pg/g	0.178	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	20	115	252	41	pg/g	0.0111	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	20	477	252	41	pg/g	0.0462	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	20	81.5	252	41	pg/g	0.00789	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	40	1,340	252	41	pg/g	0.130	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	20	532	252	41	pg/g	0.0515	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	60	9,690	252	41	pg/g	0.938	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	20	2,720	252	41	pg/g	0.263	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	20	112	252	41	pg/g	0.0108	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	20	90.9	252	41	pg/g	0.00880	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	40	40	252	41	pg/g	0.00387	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	20	430	252	41	pg/g	0.0416	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	20	361	252	41	pg/g	0.0349	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	40	122	252	41	pg/g	0.0118	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	20	1,620	252	41	pg/g	0.157	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	20	919	252	41	pg/g	0.0889	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	40	5,240	252	41	pg/g	0.507	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	40	5,640	252	41	pg/g	0.546	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	40	1,110	252	41	pg/g	0.107	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	20	1,030	252	41	pg/g	0.0997	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	NE	NE	NE	20	632	252	41	pg/g	0.0612	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	20	214	252	41	µg/kg	0.0207	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	20	674	252	41	µg/kg	0.0652	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	493	252	41	pg/g	0.0477	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	20	55.5	252	41	pg/g	0.00537	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	20	125	252	41	pg/g	0.0121	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	20	4,680	252	41	µg/kg	0.453	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	20	1,090	252	41	pg/g	0.105	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	20	727	252	41	pg/g	0.0704	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	20	395	252	41	pg/g	0.0382	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	40	1,240	252	41	pg/g	0.120	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	20	145	252	41	µg/kg	0.0140	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20	150	252	41	pg/g	0.0145	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	209	252	41	pg/g	0.0202	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	20	728	252	41	pg/g	0.0705	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	20	364	252	41	pg/g	0.0352	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	20	551	252	41	pg/g	0.0533	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	100	100	252	41	pg/g	0.00968	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	20	20	252	41	µg/kg	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	20	20	252	41	µg/kg	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	20	2,140	252	41	pg/g	0.207	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	40	169	252	41	pg/g	0.0164	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	20	58.2	252	41	pg/g	0.00563	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	20	293	252	41	pg/g	0.0284	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	20	76.6	252	41	pg/g	0.00741	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	20	83.6	252	41	pg/g	0.00809	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	20	4,180	252	41	pg/g	0.405	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	20	20	252	41	µg/kg	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	20	156	252	41	µg/kg	0.0151	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	80	80	252	41	pg/g	0.00774	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	20	8,790	252	41	µg/kg	0.851	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	20	20	252	41	µg/kg	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	20	346	252	41	pg/g	0.0335	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	16,600	252	41	µg/kg	1.61	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	20	35,100	252	41	µg/kg	3.40	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	20	30,400	252	41	µg/kg	2.94	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	20	6,570	252	41	µg/kg	0.636	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	60	60	252	41	pg/g	0.00581	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	UJ
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	20	60.8	252	41	pg/g	0.00588	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	20	20	252	41	pg/g	0.00194	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	175,000	252	41	pg/g	6,185	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	151	252	41	pg/g	0.0146	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	25	962	252	41	pg/g	0.0931	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	25	11.9	252	41	pg/g	0.00115	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	25	11.1	252	41	pg/g	1.07	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	25	17.6	252	41	pg/g	0.00170	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	7.34	252	41	pg/g	0.000710	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	25	33.9	252	41	pg/g	0.00328	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	25	252	41	pg/g	0.00242	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	25	20.5	252	41	pg/g	0.00198	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	25	4.21	252	41	pg/g	0.000407	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	25	9.79	252	41	pg/g	0.948	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	25	10.3	252	41	pg/g	0.000997	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	25	8.78	252	41	pg/g	0.850	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5	5	252	41	pg/g	0.484	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5	5	252	41	pg/g	0.484	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	NE	NE	NE	25	3,200	252	41	pg/g	0.310	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	NE	NE	NE	25	211	252	41	pg/g	0.0204	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	25	348	252	41	pg/g	0.0337	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	50	407	252	41	pg/g	0.0394	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	50	9,570	252	41	pg/g	0.926	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	NE	NE	NE	25	106	252	41	pg/g	0.0103	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	NE	NE	NE	25	30	252	41	pg/g	0.00290	
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	Tetrachlorodibenzofuran homologs	E1613B	NE	NE	NE	5	8.05	252	41	µg/kg	0.000779	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	5	5	252	41	pg/g	0.000484	U
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	PCDD/PCDFs	TOTAL HpCDFs	E1613B	NE	NE	NE	25	433	252	41	pg/g	0.0419	J
SIB-SE-AAQ005-FRONT-102122	Particulate	10/21/2022	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	40.9	252	41	pg/g	3.96	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDD; 2,4'-	E1699	NE	NE	NE	2,000	315	222	19.5	µg/kg	0.0728	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDD; P,P'-	E1699	NE	NE	NE	2,000	662	222	19.5	µg/kg	0.153	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	114	NE	NE	NA	977	222	19.5	µg/kg	0.226	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDE; O,P'-	E1699	NE	NE	NE	1000	1000	222	19.5	µg/kg	0.231	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDE; P,P'-	E1699	NE	NE	NE	1000	2,210	222	19.5	µg/kg	0.511	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	50	NE	NE	NA	2,710	222	19.5	µg/kg	0.626	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDT; O,P'-	E1699	NE	NE	NE	2,000	1,390	222	19.5	µg/kg	0.321	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DDT; P,P'-	E1699	NE	NE	NE	2,000	4,910	222	19.5	µg/kg	1.13	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	246	NE	NE	NA	6,300	222	19.5	µg/kg	1.46	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	6.1	160	7,050	NA	9,990	222	19.5	µg/kg	2.31	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	O/P	DIELDRIN	E1699	0.07	NE	NE	1000	1,170	222	19.5	µg/kg	0.270	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	NE	NE	NE	3.07	5.2	222	19.5	pg/g	0.00120	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	NE	NE	NE	2.33	17.3	222	19.5	pg/g	0.00400	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	NE	NE	NE	3.13	179	222	19.5	pg/g	0.0413	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	NE	NE	NE	2.01	23.7	222	19.5	pg/g	0.00547	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	NE	NE	NE	2.34	26.3	222	19.5	pg/g	0.00608	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	NE	NE	NE	9.37	122	222	19.5	pg/g	0.0282	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl	E1668	NE	NE	NE	3.01	7,150	222	19.5	µg/kg	1.65	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	NE	NE	NE	2.88	70.5	222	19.5	pg/g	0.0163	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	NE	NE	NE	2.53	31.9	222	19.5	pg/g	0.00737	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	NE	NE	NE	2.41	135	222	19.5	pg/g	0.0312	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	NE	NE	NE	2.95	11	222	19.5	pg/g	0.00254	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	NE	NE	NE	2.65	12.6	222	19.5	pg/g	0.00291	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	NE	NE	NE	2.02	3.29	222	19.5	pg/g	0.000760	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	NE	NE	NE	2.76	6,650	222	19.5	pg/g	1.54	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	NE	NE	NE	3.04	50.9	222	19.5	pg/g	0.0118	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	NE	NE	NE	2.97	2.97	222	19.5	pg/g	0.000686	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	NE	NE	NE	23.2	1,070	222	19.5	pg/g	0.247	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	NE	NE	NE	24.6	377	222	19.5	pg/g	0.0871	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	NE	NE	NE	22.9	187	222	19.5	pg/g	0.0432	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	NE	NE	NE	21.1	1,110	222	19.5	pg/g	0.256	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	NE	NE	NE	21.8	585	222	19.5	pg/g	0.135	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	NE	NE	NE	23.4	41.8	222	19.5	pg/g	0.00966	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	NE	NE	NE	6.91	93	222	19.5	pg/g	0.0215	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	NE	NE	NE	8.78	132	222	19.5	pg/g	0.0305	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	NE	NE	NE	6.07	230	222	19.5	pg/g	0.0531	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	NE	NE	NE	19.9	2,050	222	19.5	pg/g	0.474	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	NE	NE	NE	19.7	19.7	222	19.5	pg/g	0.00455	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	NE	NE	NE	20.8	20.8	222	19.5	pg/g	0.00480	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	NE	NE	NE	21.9	660	222	19.5	pg/g	0.152	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	NE	NE	NE	6.58	6.58	222	19.5	pg/g	0.00152	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,5',6-	E1668	NE	NE	NE	24.5	24.5	222	19.5	µg/kg	0.00566	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	NE	NE	NE	19	1,120	222	19.5	pg/g	0.259	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	NE	NE	NE	5.79	5.79	222	19.5	pg/g	0.00134	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	NE	NE	NE	7.05	7.05	222	19.5	pg/g	0.00163	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	NE	NE	NE	31.5	61.4	222	19.5	pg/g	0.0142	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	NE	NE	NE	17.1	152	222	19.5	pg/g	0.0351	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	NE	NE	NE	18.5	46.6	222	19.5	pg/g	0.0108	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	NE	NE	NE	16.3	16.3	222	19.5	pg/g	0.00377	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	NE	NE	NE	51.9	1,060	222	19.5	pg/g	0.245	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	NE	NE	NE	14.1	298	222	19.5	pg/g	0.0688	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	NE	NE	NE	11.6	4,470	222	19.5	pg/g	1.03	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	NE	NE	NE	12.4	1,460	222	19.5	pg/g	0.337	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	NE	NE	NE	12.9	61	222	19.5	pg/g	0.0141	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	NE	NE	NE	11.4	49.1	222	19.5	pg/g	0.0113	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	NE	NE	NE	11.9	1,110	222	19.5	pg/g	0.256	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	NE	NE	NE	15.1	288	222	19.5	pg/g	0.0665	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	NE	NE	NE	6.98	366	222	19.5	pg/g	0.0845	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	NE	NE	NE	12.7	12.7	222	19.5	pg/g	0.00293	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	NE	NE	NE	11.6	64.1	222	19.5	pg/g	0.0148	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	NE	NE	NE	12.5	798	222	19.5	pg/g	0.184	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	NE	NE	NE	10.3	434	222	19.5	pg/g	0.100	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	NE	NE	NE	11.7	11.7	222	19.5	pg/g	0.00270	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	NE	NE	NE	12.9	12.9	222	19.5	pg/g	0.00298	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	NE	NE	NE	12.1	173	222	19.5	pg/g	0.0400	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	NE	NE	NE	11.8	11.8	222	19.5	pg/g	0.00273	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	NE	NE	NE	11.4	2,720	222	19.5	pg/g	0.628	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	NE	NE	NE	6.14	6.14	222	19.5	pg/g	0.00142	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	NE	NE	NE	6.71	6.71	222	19.5	pg/g	0.00155	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	NE	NE	NE	5.76	5.76	222	19.5	pg/g	0.00133	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	NE	NE	NE	9.5	2,580	222	19.5	pg/g	0.596	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	NE	NE	NE	11.3	23.3	222	19.5	pg/g	0.00538	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	NE	NE	NE	6.41	6.41	222	19.5	pg/g	0.00148	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	NE	NE	NE	62.5	798	222	19.5	pg/g	0.184	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	NE	NE	NE	8.96	478	222	19.5	pg/g	0.110	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	NE	NE	NE	39.6	39.6	222	19.5	pg/g	0.00915	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	NE	NE	NE	46.6	46.6	222	19.5	pg/g	0.0108	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	NE	NE	NE	10.1	10.1	222	19.5	pg/g	0.00233	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	NE	NE	NE	8.56	23.3	222	19.5	pg/g	0.00538	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,6-	E1668	NE	NE	NE	8.78	459	222	19.5	pg/g	0.106	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	NE	NE	NE	9.99	9.99	222	19.5	pg/g	0.00231	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	NE	NE	NE	108	108	222	19.5	pg/g	0.0249	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Monochlorobiphenyl	E1668	NE	NE	NE	2.33	67.4	222	19.5	µg/kg	0.0156	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl	E1668	NE	NE	NE	33.2	282	222	19.5	µg/kg	0.0651	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	NE	NE	NE	40.9	223	222	19.5	pg/g	0.0515	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	NE	NE	NE	23.7	23.7	222	19.5	pg/g	0.00547	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	NE	NE	NE	25.6	59.8	222	19.5	pg/g	0.0138	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl	E1668	NE	NE	NE	31.6	1,370	222	19.5	µg/kg	0.316	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	NE	NE	NE	45.2	442	222	19.5	pg/g	0.102	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	NE	NE	NE	24.3	128	222	19.5	pg/g	0.0296	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	NE	NE	NE	47.6	161	222	19.5	pg/g	0.0372	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	NE	NE	NE	18.8	18.8	222	19.5	pg/g	0.00434	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	NE	NE	NE	22.2	283	222	19.5	pg/g	0.0654	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-	E1668	NE	NE	NE	19.2	49.2	222	19.5	µg/kg	0.0114	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	NE	NE	NE	20.4	51.7	222	19.5	pg/g	0.0119	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	NE	NE	NE	20	72.1	222	19.5	pg/g	0.0167	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	NE	NE	NE	19.8	178	222	19.5	pg/g	0.0411	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	NE	NE	NE	17.7	17.7	222	19.5	pg/g	0.00409	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	NE	NE	NE	43.2	43.2	222	19.5	pg/g	0.00998	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-167	E1668	NE	NE	NE	49.2	214	222	19.5	pg/g	0.0494	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	PCB-82	E1668	NE	NE	NE	13.5	379	222	19.5	pg/g	0.0875	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	NE	NE	NE	15.4	111	222	19.5	pg/g	0.0256	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	NE	NE	NE	15.7	791	222	19.5	pg/g	0.183	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	NE	NE	NE	12.5	12.5	222	19.5	pg/g	0.00289	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	NE	NE	NE	11.6	2,000	222	19.5	pg/g	0.462	

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	NE	NE	NE	12.4	2,500	222	19.5	pg/g	0.578	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	NE	NE	NE	13.1	23.5	222	19.5	pg/g	0.00543	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	NE	NE	NE	16.3	16.3	222	19.5	pg/g	0.00377	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	NE	NE	NE	13.2	13.2	222	19.5	pg/g	0.00305	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6-	E1668	NE	NE	NE	12.3	288	222	19.5	µg/kg	0.0665	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	NE	NE	NE	13.9	477	222	19.5	pg/g	0.110	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	NE	NE	NE	15.5	15.5	222	19.5	pg/g	0.00358	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	NE	NE	NE	14.6	14.6	222	19.5	pg/g	0.00337	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	NE	NE	NE	13.7	2,120	222	19.5	pg/g	0.490	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	NE	NE	NE	2.54	9.42	222	19.5	pg/g	0.00218	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	NE	NE	NE	10.8	865	222	19.5	pg/g	0.200	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5,6'-	E1668	NE	NE	NE	10.7	60.9	222	19.5	µg/kg	0.0141	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	NE	NE	NE	13.1	9.65	222	19.5	pg/g	0.00223	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	NE	NE	NE	2.55	2.55	222	19.5	pg/g	0.000589	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	NE	NE	NE	11.2	1,350	222	19.5	pg/g	0.312	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	NE	NE	NE	10.3	123	222	19.5	pg/g	0.0284	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	NE	NE	NE	9.28	9.28	222	19.5	pg/g	0.00214	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	NE	NE	NE	11.7	39.5	222	19.5	pg/g	0.00912	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	NE	NE	NE	8.98	221	222	19.5	pg/g	0.0511	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	NE	NE	NE	9.2	3,500	222	19.5	pg/g	0.809	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	NE	NE	NE	9.96	9.96	222	19.5	pg/g	0.00230	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	NE	NE	NE	8.65	8.65	222	19.5	pg/g	0.00200	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	NE	NE	NE	10.6	70	222	19.5	pg/g	0.0162	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	NE	NE	NE	10.2	10.2	222	19.5	pg/g	0.00236	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	NE	NE	NE	10.5	2,570	222	19.5	pg/g	0.594	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',6-	E1668	NE	NE	NE	8.89	8.89	222	19.5	µg/kg	0.00205	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	NE	NE	NE	8.42	8.42	222	19.5	pg/g	0.00195	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4',5,6-	E1668	NE	NE	NE	10.3	299	222	19.5	µg/kg	0.0691	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	NE	NE	NE	9.12	9.12	222	19.5	pg/g	0.00211	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	NE	NE	NE	48.8	48.8	222	19.5	pg/g	0.0113	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	NE	NE	NE	10.1	10.1	222	19.5	pg/g	0.00233	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	NE	NE	NE	18.4	1,310	222	19.5	pg/g	0.303	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl	E1668	NE	NE	NE	12.1	6,260	222	19.5	µg/kg	1.45	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	NE	NE	NE	6.55	321	222	19.5	pg/g	0.0742	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	NE	NE	NE	7.74	185	222	19.5	pg/g	0.0427	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	NE	NE	NE	9.55	74.8	222	19.5	pg/g	0.0173	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	NE	NE	NE	6.49	872	222	19.5	pg/g	0.201	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	NE	NE	NE	6.68	18.9	222	19.5	pg/g	0.00437	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	NE	NE	NE	8.24	48.3	222	19.5	pg/g	0.0112	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	NE	NE	NE	9.17	129	222	19.5	pg/g	0.0298	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	NE	NE	NE	6.23	381	222	19.5	pg/g	0.0880	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	NE	NE	NE	7.15	142	222	19.5	pg/g	0.0328	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6'-	E1668	NE	NE	NE	6.14	47.6	222	19.5	µg/kg	0.0110	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	NE	NE	NE	6.91	94.8	222	19.5	pg/g	0.0219	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	NE	NE	NE	6.29	950	222	19.5	pg/g	0.219	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	NE	NE	NE	2.24	2.24	222	19.5	pg/g	0.000517	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	NE	NE	NE	18	268	222	19.5	pg/g	0.0619	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	NE	NE	NE	17.1	17.1	222	19.5	pg/g	0.00395	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	NE	NE	NE	16.3	16.3	222	19.5	pg/g	0.00377	U

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	NE	NE	NE	18.4	18.4	222	19.5	pg/g	0.00425	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	NE	NE	NE	5.8	68.5	222	19.5	pg/g	0.0158	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	NE	NE	NE	20.9	162	222	19.5	pg/g	0.0374	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	NE	NE	NE	17	523	222	19.5	pg/g	0.121	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	NE	NE	NE	19.8	22.2	222	19.5	pg/g	0.00513	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	NE	NE	NE	18.8	37.4	222	19.5	pg/g	0.00864	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	NE	NE	NE	16.3	19.6	222	19.5	pg/g	0.00453	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	NE	NE	NE	5.49	340	222	19.5	pg/g	0.0785	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	NE	NE	NE	17.7	17.7	222	19.5	pg/g	0.00409	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	NE	NE	NE	5.33	5.33	222	19.5	pg/g	0.00123	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	NE	NE	NE	23.4	185	222	19.5	pg/g	0.0427	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	NE	NE	NE	15.8	60.4	222	19.5	pg/g	0.0140	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	NE	NE	NE	18.9	18.9	222	19.5	pg/g	0.00437	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	NE	NE	NE	17.5	17.5	222	19.5	pg/g	0.00404	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	NE	NE	NE	21.5	21.5	222	19.5	pg/g	0.00497	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEPTACHLOROBIPHENYLS	E1668	NE	NE	NE	21.2	7,920	222	19.5	µg/kg	1.83	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL HEXACHLOROBIPHENYLS	E1668	NE	NE	NE	56.4	17,900	222	19.5	µg/kg	4.13	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	TOTAL PENTACHLOROBIPHENYLS	E1668	NE	NE	NE	15.6	17,800	222	19.5	µg/kg	4.11	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl	E1668	NE	NE	NE	5.15	3,010	222	19.5	µg/kg	0.695	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	NE	NE	NE	2.42	137	222	19.5	pg/g	0.0316	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	NE	NE	NE	2.38	146	222	19.5	pg/g	0.0337	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	NE	NE	NE	1.74	248	222	19.5	pg/g	0.0573	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	NE	NE	NE	2.4	32.6	222	19.5	pg/g	0.00753	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	NE	NE	NE	7.64	540	222	19.5	pg/g	0.125	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	NE	NE	NE	7.2	210	222	19.5	pg/g	0.0485	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	NE	NE	NE	7.76	351	222	19.5	pg/g	0.0811	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	NE	NE	NE	6.69	41.8	222	19.5	pg/g	0.00966	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	NE	NE	NE	8.11	8.11	222	19.5	pg/g	0.00187	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	NE	NE	NE	8.23	8.23	222	19.5	pg/g	0.00190	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	NE	NE	NE	8.14	108	222	19.5	pg/g	0.0249	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	NE	NE	NE	1.81	5.45	222	19.5	pg/g	0.00126	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	NE	NE	NE	1.78	28.7	222	19.5	pg/g	0.00663	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	NE	NE	NE	6.95	441	222	19.5	pg/g	0.102	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	NE	NE	NE	1.6	92.1	222	19.5	pg/g	0.0213	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	NE	NE	NE	8.05	278	222	19.5	pg/g	0.0642	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	NE	NE	NE	6.78	126	222	19.5	pg/g	0.0291	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	NE	NE	NE	7.89	226	222	19.5	pg/g	0.0522	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	NE	NE	NE	7.51	7.51	222	19.5	pg/g	0.00173	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	NE	NE	NE	7.49	7.49	222	19.5	pg/g	0.00173	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	9,000	75,000	200,000	NA	124,000	222	19.5	pg/g	14,391	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	5.24	141	222	19.5	pg/g	0.0326	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	NE	NE	NE	6.34	648	222	19.5	pg/g	0.150	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	NE	NE	NE	6.11	9.5	222	19.5	pg/g	0.00219	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	0.4	NE	400	5.82	12.6	222	19.5	pg/g	2.91	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	NE	NE	NE	4.03	19.7	222	19.5	pg/g	0.00455	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	5.7	11.2	222	19.5	pg/g	0.00259	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	NE	NE	NE	3.88	32.2	222	19.5	pg/g	0.00744	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	6.41	6.41	222	19.5	pg/g	0.00148	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	NE	NE	NE	3.81	18.8	222	19.5	pg/g	0.00434	J

Table 3-6 (continued)
Calculated HVS Particulate Phase Concentrations Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample ID	TYPE	Date	Chemical Class	Chemical Name	Analysis Method	CUL	RAL/ PQL	PTW	Reporting Limit (pg)	Result (pg)	Sample Volume (L)	TSS Input (mg/kg)	Threshold Unit	Particulate Concentration	Qualifier
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	NE	NE	NE	4.78	4.78	222	19.5	pg/g	0.00110	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	0.2	2.5	10	4.77	4.77	222	19.5	pg/g	1.10	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	NE	NE	NE	6.24	8.52	222	19.5	pg/g	0.00197	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	0.3	200	200	4.5	4.5	222	19.5	pg/g	1.04	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	0.4066	NE	600	5.69	5.69	222	19.5	pg/g	1.31	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	0.2	1	10	5.68	5.68	222	19.5	pg/g	1.31	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	5.64	379	222	19.5	µg/kg	0.0875	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	6.34	1,310	222	19.5	µg/kg	0.303	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	6.03	171	222	19.5	µg/kg	0.0395	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	3.9	182	222	19.5	µg/kg	0.0420	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	NE	NE	NE	10.2	323	222	19.5	pg/g	0.0746	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	NE	NE	NE	11.4	5,060	222	19.5	pg/g	1.17	
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	NE	NE	NE	4.64	31.5	222	19.5	µg/kg	0.00728	J
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	4.77	4.77	222	19.5	µg/kg	0.00110	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	E1613B	NE	NE	NE	5.68	5.68	222	19.5	µg/kg	0.00131	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	PCDD/PCDFs	Total Furans	E1613B	NE	NE	NE	5.69	5.69	222	19.5	µg/kg	0.00131	U
SIB-SE-AAQ005-FRONT-030923	Particulate	3/9/2023	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	10	NE	NE	NA	26.5	222	19.5	pg/g	6.12	J

Notes:

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
µg/kg = micrograms per kilogram
L = liters
mg/kg = milligrams per kilogram
pg = picograms
CUL = cleanup level
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethane
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
J = estimated value
NA = not applicable
NE = none established
O/P = organochlorine pesticides
PCBs = polychlorinated biphenyls
PCDD = polychlorinated dibenzofuran
PCDFs = polychlorinated dibenzofuran
PQL = practical quantitation limit
PTW = principal threat waste threshold
RAL = remedial action level
SE = pre-filter sample from HVS system
SIM = selected ion monitoring
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
U = analyte not detected above laboratory reporting limit

Table 3-7
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	15 U	28 U	15 U
SIB-SW-WR15	Mercury	MERCURY	SW7470A	ng/L	NE	13 U	NA	NA
SIB-SW-WR15	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	0.26 J	0.4 J
SIB-SW-WR15	Metals	ARSENIC	SW6020B	µg/L	0.018	0.174 J	NA	NA
SIB-SW-WR15	Metals	CADMIUM	SW6020B	µg/L	NE	0.04 J	NA	NA
SIB-SW-WR15	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	0.57	0.41
SIB-SW-WR15	Metals	CHROMIUM, TOTAL	SW6020B	µg/L	100	0.537	NA	NA
SIB-SW-WR15	Metals	COPPER	SW6020A	µg/L	2.74	NA	7.46	4.45
SIB-SW-WR15	Metals	COPPER	SW6020B	µg/L	2.74	3.55	NA	NA
SIB-SW-WR15	Metals	LEAD	SW6020B	µg/L	NE	0.775	NA	NA
SIB-SW-WR15	Metals	ZINC	SW6020A	µg/L	36.5	NA	89	65.9
SIB-SW-WR15	Metals	ZINC	SW6020B	µg/L	36.5	45.6	NA	NA
SIB-SW-WR15	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR15	O/P	DDD; 2,4'-	E1699M	ng/L	NE	0.06 UJ	NA	0.024 UJ
SIB-SW-WR15	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR15	O/P	DDD; P,P'-	E1699M	ng/L	NE	0.088 UJ	NA	0.03 UJ
SIB-SW-WR15	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	0.088 U	NA	0.03 UJ
SIB-SW-WR15	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.079 R	NA
SIB-SW-WR15	O/P	DDE; O,P'-	E1699M	ng/L	NE	0.061 UJ	NA	0.021 UJ
SIB-SW-WR15	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR15	O/P	DDE; P,P'-	E1699M	ng/L	NE	0.18 J	NA	0.031 J
SIB-SW-WR15	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	0.21	NA	0.042 J
SIB-SW-WR15	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.22 R	NA
SIB-SW-WR15	O/P	DDT; O,P'-	E1699M	ng/L	NE	0.11 UJ	NA	0.043 UJ
SIB-SW-WR15	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.26 R	NA
SIB-SW-WR15	O/P	DDT; P,P'-	E1699M	ng/L	NE	0.049 UJ	NA	0.0576 J
SIB-SW-WR15	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	0.11 U	NA	0.079 J
SIB-SW-WR15	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	0.36	NA	0.15 J
SIB-SW-WR15	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.022 R	NA
SIB-SW-WR15	O/P	ALDRIN	E1699M	ng/L	0.00077	0.044 UJ	NA	0.019 UJ
SIB-SW-WR15	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.16 R	NA
SIB-SW-WR15	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	0.23 UJ	NA	0.057 UJ
SIB-SW-WR15	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.16 R	NA
SIB-SW-WR15	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	0.26 UJ	NA	0.062 UJ
SIB-SW-WR15	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.041 UJ
SIB-SW-WR15	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.087 R	NA
SIB-SW-WR15	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	0.11 UJ	NA	0.09 UJ
SIB-SW-WR15	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.054 R	NA
SIB-SW-WR15	O/P	OXYCHLORDANE	E1699M	ng/L	NE	0.02 UJ	NA	0.041 UJ
SIB-SW-WR15	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.15 R	NA
SIB-SW-WR15	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	0.2 UJ	NA	0.055 UJ
SIB-SW-WR15	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	0.26 U	NA	0.09 UJ
SIB-SW-WR15	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR15	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.14 R	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.024 UJ	NA
SIB-SW-WR15	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	0.117 J	NA	0.0802 J
SIB-SW-WR15	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	1.3 U	12	7.2
SIB-SW-WR15	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	1.6 J	8.5	0.36 U
SIB-SW-WR15	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	1.1 U	51	52
SIB-SW-WR15	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	0.82 U	0.29 U	0.29 U
SIB-SW-WR15	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	0.97 U	0.34 U	0.34 U
SIB-SW-WR15	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	1.1 U	0.41 U	0.41 U
SIB-SW-WR15	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	6.6 J	0.25 U	0.25 U
SIB-SW-WR15	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	8 J	0.36 U	3.4
SIB-SW-WR15	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	1.3 J	0.41 U	0.41 U
SIB-SW-WR15	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	16 J	0.65 U	6.5
SIB-SW-WR15	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	1.3 U	0.45 U	0.45 U
SIB-SW-WR15	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	16 J	0.46 U	11
SIB-SW-WR15	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	1.6 J	0.42 U	5.3
SIB-SW-WR15	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	2.6 J	0.44 U	0.44 U
SIB-SW-WR15	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	1.4 U	13	0.71 U
SIB-SW-WR15	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	17 J	0.72 U	26
SIB-SW-WR15	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	29	0.78 U	16
SIB-SW-WR15	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	2.2 J	0.45 U	0.49
SIB-SW-WR15	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	100	87.5	129
SIB-SW-WR15	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	0.014 J	0.003 U	0.003 U
SIB-SW-WR15	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR15	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	0.054	0.003 U	0.003 U
SIB-SW-WR15	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	pg/L	NE	NA	NA	4.08 U
SIB-SW-WR15	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/L	NE	NA	NA	3.52 U
SIB-SW-WR15	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/L	NE	NA	NA	6.46 J
SIB-SW-WR15	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/L	NE	NA	NA	3.15 U
SIB-SW-WR15	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/L	NE	NA	NA	3.39 J
SIB-SW-WR15	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/L	NE	NA	NA	1.45 J
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/L	NE	NA	NA	9.82 U
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/L	NE	NA	NA	7.6 J
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/L	NE	NA	NA	3.56 U
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/L	NE	NA	NA	3.7 U
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/L	NE	NA	NA	4.16 U
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/L	NE	NA	NA	4.4 U
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/L	NE	NA	NA	4.28 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/L	NE	NA	NA	6.69 J
SIB-SW-WR15	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/L	NE	NA	NA	4.04 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/L	NE	NA	NA	89.2 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/L	NE	NA	NA	27.9 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	21.7 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/L	NE	NA	NA	96.9 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/L	NE	NA	NA	57.5 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/L	NE	NA	NA	4.32 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/L	NE	NA	NA	8.32 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/L	NE	NA	NA	18.4 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/L	NE	NA	NA	23.4 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/L	NE	NA	NA	239
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/L	NE	NA	NA	0.812 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/L	NE	NA	NA	1.39 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/L	NE	NA	NA	61.1 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/L	NE	NA	NA	0.594 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/L	NE	NA	NA	105
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/L	NE	NA	NA	0.634 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/L	NE	NA	NA	0.594 U
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	4.14 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/L	NE	NA	NA	18.8 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/L	NE	NA	NA	4.57 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/L	NE	NA	NA	18.8 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/L	NE	NA	NA	4.57 J
SIB-SW-WR15	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/L	NE	NA	NA	1.13 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/L	NE	NA	NA	9.11 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/L	NE	NA	NA	7.56 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/L	NE	NA	NA	159 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/L	NE	NA	NA	31 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/L	NE	NA	NA	2.79 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/L	NE	NA	NA	2.69 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/L	NE	NA	NA	41.4 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/L	NE	NA	NA	3.56 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/L	NE	NA	NA	8.61 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/L	NE	NA	NA	2.34 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/L	NE	NA	NA	2.2 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/L	NE	NA	NA	36.8 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/L	NE	NA	NA	22 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/L	NE	NA	NA	2.55 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/L	NE	NA	NA	2.95 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/L	NE	NA	NA	6.67 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/L	NE	NA	NA	1.17 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/L	NE	NA	NA	87 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/L	NE	NA	NA	0.832 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/L	NE	NA	NA	0.792 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/L	NE	NA	NA	0.871 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/L	NE	NA	NA	138 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/L	NE	NA	NA	1.39 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/L	NE	NA	NA	0.733 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/L	NE	NA	NA	12.3 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/L	NE	NA	NA	12.8 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	1.74 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/L	NE	NA	NA	1.56 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/L	NE	NA	NA	1.82 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/L	NE	NA	NA	1.82 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/L	NE	NA	NA	10.8 J
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/L	NE	NA	NA	1.84 U
SIB-SW-WR15	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	1.84 U
SIB-SW-WR15	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/L	NE	NA	NA	10.3 J
SIB-SW-WR15	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/L	NE	NA	NA	2.02 J
SIB-SW-WR15	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/L	NE	NA	NA	2.65 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	48.6 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/L	NE	NA	NA	27.3 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/L	NE	NA	NA	16.9 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/L	NE	NA	NA	7.56 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/L	NE	NA	NA	54.6 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/L	NE	NA	NA	6.08 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/L	NE	NA	NA	7.29 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/L	NE	NA	NA	6.08 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/L	NE	NA	NA	7.29 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/L	NE	NA	NA	25.1 J
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/L	NE	NA	NA	2.32 U
SIB-SW-WR15	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/L	NE	NA	NA	3.09 J
SIB-SW-WR15	PCBs (as congeners)	PCB-167	E1668	pg/L	NE	NA	NA	8.61 J
SIB-SW-WR15	PCBs (as congeners)	PCB-82	E1668	pg/L	NE	NA	NA	3.41 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/L	NE	NA	NA	2.87 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/L	NE	NA	NA	4.83 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/L	NE	NA	NA	3.6 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/L	NE	NA	NA	1.72 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/L	NE	NA	NA	1.76 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/L	NE	NA	NA	2.55 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/L	NE	NA	NA	3.01 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/L	NE	NA	NA	2 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/L	NE	NA	NA	4.44 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/L	NE	NA	NA	2.08 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/L	NE	NA	NA	1.88 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/L	NE	NA	NA	2.26 UJ
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/L	NE	NA	NA	0.871 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/L	NE	NA	NA	1.78 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/L	NE	NA	NA	2 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/L	NE	NA	NA	0.733 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/L	NE	NA	NA	2.14 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/L	NE	NA	NA	2.02 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/L	NE	NA	NA	2.22 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/L	NE	NA	NA	2.73 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/L	NE	NA	NA	2.61 J
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/L	NE	NA	NA	1.58 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/L	NE	NA	NA	1.47 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/L	NE	NA	NA	1.39 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/L	NE	NA	NA	2.14 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/L	NE	NA	NA	2.06 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/L	NE	NA	NA	2.2 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/L	NE	NA	NA	1.58 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/L	NE	NA	NA	1.45 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/L	NE	NA	NA	2.18 U
SIB-SW-WR15	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	2.16 U
SIB-SW-WR15	PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/L	NE	NA	NA	2280 J
SIB-SW-WR15	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/L	NE	NA	NA	5.11 J
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/L	NE	NA	NA	2.85 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/L	NE	NA	NA	3.76 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/L	NE	NA	NA	2.48 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/L	NE	NA	NA	3.37 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/L	NE	NA	NA	1.09 J
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/L	NE	NA	NA	3.17 J
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/L	NE	NA	NA	2.24 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/L	NE	NA	NA	2.73 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/L	NE	NA	NA	1.64 J
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/L	NE	NA	NA	2.89 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/L	NE	NA	NA	0.653 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/L	NE	NA	NA	1.66 UJ
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/L	NE	NA	NA	1.7 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/L	NE	NA	NA	2.04 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/L	NE	NA	NA	1.62 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/L	NE	NA	NA	1.66 UJ
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/L	NE	NA	NA	1.58 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/L	NE	NA	NA	1.45 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/L	NE	NA	NA	1.37 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/L	NE	NA	NA	2 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/L	NE	NA	NA	1.54 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/L	NE	NA	NA	1.92 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/L	NE	NA	NA	2.69 J
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/L	NE	NA	NA	1.52 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/L	NE	NA	NA	1.92 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/L	NE	NA	NA	1.39 U
SIB-SW-WR15	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/L	NE	NA	NA	1.72 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/L	NE	NA	NA	4.08 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/L	NE	NA	NA	3.52 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/L	NE	NA	NA	1.92 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/L	NE	NA	NA	2.97 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/L	NE	NA	NA	1.64 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/L	NE	NA	NA	4.4 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/L	NE	NA	NA	1.66 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/L	NE	NA	NA	1.58 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/L	NE	NA	NA	1.68 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/L	NE	NA	NA	1.76 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/L	NE	NA	NA	2.44 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/L	NE	NA	NA	1.74 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/L	NE	NA	NA	1.72 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/L	NE	NA	NA	2.97 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/L	NE	NA	NA	9.66 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/L	NE	NA	NA	4.26 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/L	NE	NA	NA	3.92 J
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/L	NE	NA	NA	1.7 U
SIB-SW-WR15	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/L	NE	NA	NA	1.72 U
SIB-SW-WR15	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/L	6.4	NA	NA	1790
SIB-SW-WR15	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	3.94 J	1.55 U	3.69 U
SIB-SW-WR15	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	15.1 J	3.28 U	5.87 J
SIB-SW-WR15	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	3.37 UJ	2.18 U	4.54 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	1.58 UJ	1.28 U	1.78 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	3.19 UJ	2.6 U	4.92 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	1.48 UJ	1.21 U	1.77 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	2.9 UJ	2.38 U	4.6 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	2.54 UJ	1.92 U	2.99 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	3.04 UJ	2.48 U	4.76 U
SIB-SW-WR15	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	2.03 UJ	1.58 U	1.62 U
SIB-SW-WR15	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	2.7 UJ	1.66 U	2.14 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	1.64 UJ	1.27 U	1.82 U
SIB-SW-WR15	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	1.92 UJ	1.4 U	1.53 U
SIB-SW-WR15	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	0.221	0.00319	0.0669
SIB-SW-WR15	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	2.81 UJ	2.74 U	1.85 U
SIB-SW-WR15	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	2.59 UJ	2.74 U	2.18 U
SIB-SW-WR15	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	32 J	3.28 U	5.87 J
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	2.74 J	1.21 U	1.77 U
SIB-SW-WR15	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.9 U	2.38 U	4.6 U
SIB-SW-WR15	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	7 UJ	7.04 U	4.92 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR15	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	104 J	7.26 U	8.73 UJ
SIB-SW-WR15	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	1.37 J	0.792 U	1.53 U
SIB-SW-WR15	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	2.7 U	1.66 U	2.14 U
SIB-SW-WR15	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	2.81 U	2.74 U	1.85 U
SIB-SW-WR15	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.59 U	2.74 U	2.18 U
SIB-SW-WR15	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	4.16	3.27	3.74
SIB-SW-WR15	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	9.76 J	1.55 U	3.69 U
SIB-SW-WR15	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	4.2 J	2.7 U	3.7 J
SIB-SW-WR15	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	0.15 U	0.13 U	0.27 U
SIB-SW-WR15	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	0.37 U	NA	3.5 U
SIB-SW-WR15	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	9600	NA
SIB-SW-WR15	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	3.7	13.1	5.9
SIB-SW-WR15	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	0.012 U	0.013 U	0.013 U
SIB-SW-WR15	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	8	5.5	5 U
SIB-SW-WR15	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	0.05 U	0.05 U	NA
SIB-SW-WR186	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	15 U	14 U	17 U
SIB-SW-WR186	Mercury	MERCURY	SW7470A	ng/L	NE	13 U	NA	NA
SIB-SW-WR186	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	0.4 J	1.39
SIB-SW-WR186	Metals	ARSENIC	SW6020B	µg/L	0.018	0.674	NA	NA
SIB-SW-WR186	Metals	CADMIUM	SW6020B	µg/L	NE	3.05	NA	NA
SIB-SW-WR186	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	0.6	0.7
SIB-SW-WR186	Metals	CHROMIUM, TOTAL	SW6020B	µg/L	100	0.897	NA	NA
SIB-SW-WR186	Metals	COPPER	SW6020A	µg/L	2.74	NA	12.5	15.9
SIB-SW-WR186	Metals	COPPER	SW6020B	µg/L	2.74	16.5	NA	NA
SIB-SW-WR186	Metals	LEAD	SW6020B	µg/L	NE	2.53	NA	NA
SIB-SW-WR186	Metals	ZINC	SW6020A	µg/L	36.5	NA	143	169
SIB-SW-WR186	Metals	ZINC	SW6020B	µg/L	36.5	239	NA	NA
SIB-SW-WR186	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.022 R	NA
SIB-SW-WR186	O/P	ALDRIN	E1699M	ng/L	0.00077	0.024 UJ	NA	0.015 UJ
SIB-SW-WR186	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR186	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	0.12 UJ	NA	0.12 UJ
SIB-SW-WR186	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR186	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	0.14 UJ	NA	0.14 UJ
SIB-SW-WR186	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.023 UJ
SIB-SW-WR186	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR186	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	0.14 UJ	NA	0.079 UJ
SIB-SW-WR186	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.036 R	NA
SIB-SW-WR186	O/P	OXYCHLORDANE	E1699M	ng/L	NE	0.044 UJ	NA	0.023 UJ
SIB-SW-WR186	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.1 R	NA
SIB-SW-WR186	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	0.11 UJ	NA	0.12 UJ
SIB-SW-WR186	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	0.14 U	NA	0.14 UJ
SIB-SW-WR186	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR186	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR186	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.254 J	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	0.234 J	NA	0.226 J
SIB-SW-WR186	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR186	O/P	DDD; 2,4'-	E1699M	ng/L	NE	0.054 UJ	NA	0.058 UJ
SIB-SW-WR186	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.08 R	NA
SIB-SW-WR186	O/P	DDD; P,P'-	E1699M	ng/L	NE	0.076 UJ	NA	0.054 UJ
SIB-SW-WR186	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	0.076 U	NA	0.058 UJ
SIB-SW-WR186	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.079 R	NA
SIB-SW-WR186	O/P	DDE; O,P'-	E1699M	ng/L	NE	0.066 UJ	NA	0.028 UJ
SIB-SW-WR186	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.1 R	NA
SIB-SW-WR186	O/P	DDE; P,P'-	E1699M	ng/L	NE	0.082 UJ	NA	0.048 UJ
SIB-SW-WR186	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	0.082 U	NA	0.048 UJ
SIB-SW-WR186	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.3 R	NA
SIB-SW-WR186	O/P	DDT; P,P'-	E1699M	ng/L	NE	0.1 UJ	NA	0.0876 J
SIB-SW-WR186	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR186	O/P	DDT; O,P'-	E1699M	ng/L	NE	0.091 UJ	NA	0.078 UJ
SIB-SW-WR186	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	0.1 U	NA	0.13 J
SIB-SW-WR186	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	0.1 U	NA	0.22 J
SIB-SW-WR186	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	1.3 U	0.4 U	0.4 U
SIB-SW-WR186	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	1.9 J	0.36 U	0.36 U
SIB-SW-WR186	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	1.2 J	0.37 U	0.37 U
SIB-SW-WR186	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	0.82 U	0.29 U	0.29 U
SIB-SW-WR186	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	0.97 U	0.34 U	0.34 U
SIB-SW-WR186	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	1.1 U	0.41 U	0.41 U
SIB-SW-WR186	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	0.83 U	0.25 U	0.25 U
SIB-SW-WR186	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	0.86 U	0.36 U	2.1 J
SIB-SW-WR186	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	0.94 U	0.41 U	0.41 U
SIB-SW-WR186	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	4 J	0.65 U	4.3
SIB-SW-WR186	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	1.3 U	0.45 U	0.45 U
SIB-SW-WR186	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	7.2 J	0.46 U	8.9
SIB-SW-WR186	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	2.7 J	0.42 U	0.42 U
SIB-SW-WR186	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	0.89 U	0.44 U	0.44 U
SIB-SW-WR186	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	1.4 U	0.71 U	0.71 U
SIB-SW-WR186	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	1.1 U	0.72 U	0.72 U
SIB-SW-WR186	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	11 J	0.78 U	12
SIB-SW-WR186	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	1.3 J	0.45 U	0.49
SIB-SW-WR186	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	34	0.78 U	30.1
SIB-SW-WR186	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	0.005 J	0.002 U	0.002 U
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	0.01 UJ	0.003 U	0.003 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR186	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	0.045	0.003 U	0.003 U
SIB-SW-WR186	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	pg/L	NE	NA	NA	6.46 U
SIB-SW-WR186	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/L	NE	NA	NA	5.96 U
SIB-SW-WR186	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/L	NE	NA	NA	5.92 U
SIB-SW-WR186	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/L	NE	NA	NA	5.33 U
SIB-SW-WR186	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/L	NE	NA	NA	3.71 U
SIB-SW-WR186	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/L	NE	NA	NA	2.34 J
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/L	NE	NA	NA	16.2 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/L	NE	NA	NA	5.9 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/L	NE	NA	NA	5.64 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/L	NE	NA	NA	5.86 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/L	NE	NA	NA	6.58 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/L	NE	NA	NA	7.03 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/L	NE	NA	NA	6.76 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/L	NE	NA	NA	6.19 U
SIB-SW-WR186	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/L	NE	NA	NA	6.39 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/L	NE	NA	NA	59.9 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/L	NE	NA	NA	16.1 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	9.12 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/L	NE	NA	NA	40.4 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/L	NE	NA	NA	26.4 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/L	NE	NA	NA	40.4 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/L	NE	NA	NA	26.4 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/L	NE	NA	NA	1.95 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/L	NE	NA	NA	4.22 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/L	NE	NA	NA	7.01 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/L	NE	NA	NA	10.4 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/L	NE	NA	NA	93.5 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/L	NE	NA	NA	1.8 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/L	NE	NA	NA	2.23 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/L	NE	NA	NA	26.1 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/L	NE	NA	NA	1.31 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/L	NE	NA	NA	38.6 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/L	NE	NA	NA	1.39 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/L	NE	NA	NA	1.27 U
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	3.46 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/L	NE	NA	NA	10.7 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/L	NE	NA	NA	2.38 J
SIB-SW-WR186	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/L	NE	NA	NA	1.82 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/L	NE	NA	NA	77.5 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/L	NE	NA	NA	27.3 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/L	NE	NA	NA	406
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/L	NE	NA	NA	109
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/L	NE	NA	NA	4.55 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/L	NE	NA	NA	4.39 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/L	NE	NA	NA	53.1 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/L	NE	NA	NA	17.7 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/L	NE	NA	NA	19.2 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/L	NE	NA	NA	20.1 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/L	NE	NA	NA	5.66 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/L	NE	NA	NA	50.4 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/L	NE	NA	NA	34.3 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/L	NE	NA	NA	4.16 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/L	NE	NA	NA	4.82 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/L	NE	NA	NA	10.5 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/L	NE	NA	NA	152 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/L	NE	NA	NA	1.13 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/L	NE	NA	NA	1.07 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/L	NE	NA	NA	1.19 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/L	NE	NA	NA	198
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/L	NE	NA	NA	2.13 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/L	NE	NA	NA	0.996 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/L	NE	NA	NA	60.6 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/L	NE	NA	NA	39.6 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	1.89 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/L	NE	NA	NA	1.91 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/L	NE	NA	NA	2.95 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/L	NE	NA	NA	2.99 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/L	NE	NA	NA	26.1 J
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/L	NE	NA	NA	2.99 U
SIB-SW-WR186	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	1.93 U
SIB-SW-WR186	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/L	NE	NA	NA	6.97 J
SIB-SW-WR186	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/L	NE	NA	NA	1.46 J
SIB-SW-WR186	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/L	NE	NA	NA	2.42 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/L	NE	NA	NA	13.9 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/L	NE	NA	NA	7.66 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/L	NE	NA	NA	5.33 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/L	NE	NA	NA	2.77 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/L	NE	NA	NA	17.7 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/L	NE	NA	NA	2.01 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/L	NE	NA	NA	3.11 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/L	NE	NA	NA	9.02 J
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/L	NE	NA	NA	1.19 U
SIB-SW-WR186	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/L	NE	NA	NA	1.02 U
SIB-SW-WR186	PCBs (as congeners)	PCB-167	E1668	pg/L	NE	NA	NA	20.1 J
SIB-SW-WR186	PCBs (as congeners)	PCB-82	E1668	pg/L	NE	NA	NA	26.1 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/L	NE	NA	NA	7.26 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/L	NE	NA	NA	38 J

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/L	NE	NA	NA	27.7 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/L	NE	NA	NA	118 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/L	NE	NA	NA	140 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/L	NE	NA	NA	6.46 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/L	NE	NA	NA	15.1 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/L	NE	NA	NA	5.04 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/L	NE	NA	NA	26.8 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/L	NE	NA	NA	5.27 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/L	NE	NA	NA	4.78 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/L	NE	NA	NA	109
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/L	NE	NA	NA	1.13 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/L	NE	NA	NA	53.5 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/L	NE	NA	NA	5.04 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/L	NE	NA	NA	0.957 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/L	NE	NA	NA	98.9
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/L	NE	NA	NA	10.5 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/L	NE	NA	NA	3.96 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/L	NE	NA	NA	4.96 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/L	NE	NA	NA	14.1 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/L	NE	NA	NA	271
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/L	NE	NA	NA	3.73 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/L	NE	NA	NA	3.52 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/L	NE	NA	NA	3.73 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/L	NE	NA	NA	3.52 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/L	NE	NA	NA	4.78 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/L	NE	NA	NA	3.65 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/L	NE	NA	NA	233
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/L	NE	NA	NA	4.04 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/L	NE	NA	NA	3.67 U
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/L	NE	NA	NA	4.8 J
SIB-SW-WR186	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/L	NE	NA	NA	3.85 U
SIB-SW-WR186	PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/L	NE	NA	NA	3240 J
SIB-SW-WR186	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/L	NE	NA	NA	2.3 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/L	NE	NA	NA	8.1 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/L	NE	NA	NA	3.75 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/L	NE	NA	NA	4.86 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/L	NE	NA	NA	3.2 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/L	NE	NA	NA	4.36 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/L	NE	NA	NA	1.56 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/L	NE	NA	NA	3.94 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/L	NE	NA	NA	2.91 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/L	NE	NA	NA	3.52 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/L	NE	NA	NA	3.3 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/L	NE	NA	NA	50.4 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/L	NE	NA	NA	0.898 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/L	NE	NA	NA	2.42 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/L	NE	NA	NA	2.46 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/L	NE	NA	NA	2.32 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/L	NE	NA	NA	2.3 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/L	NE	NA	NA	2.64 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/L	NE	NA	NA	2.36 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/L	NE	NA	NA	19.8 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/L	NE	NA	NA	2.28 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/L	NE	NA	NA	2.09 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/L	NE	NA	NA	1.99 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/L	NE	NA	NA	2.58 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/L	NE	NA	NA	2.23 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/L	NE	NA	NA	2.48 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/L	NE	NA	NA	12.3 J
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/L	NE	NA	NA	2.19 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/L	NE	NA	NA	2.77 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/L	NE	NA	NA	2.01 U
SIB-SW-WR186	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/L	NE	NA	NA	2.54 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/L	NE	NA	NA	3.59 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/L	NE	NA	NA	3.3 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/L	NE	NA	NA	2.73 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/L	NE	NA	NA	4.26 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/L	NE	NA	NA	2.34 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/L	NE	NA	NA	2.56 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/L	NE	NA	NA	2.34 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/L	NE	NA	NA	2.27 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/L	NE	NA	NA	2.4 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/L	NE	NA	NA	2.5 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/L	NE	NA	NA	2.28 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/L	NE	NA	NA	2.46 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/L	NE	NA	NA	2.46 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/L	NE	NA	NA	2.28 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/L	NE	NA	NA	3.14 J
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/L	NE	NA	NA	2.68 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/L	NE	NA	NA	2.42 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/L	NE	NA	NA	6.23 J
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/L	NE	NA	NA	2.5 U
SIB-SW-WR186	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/L	NE	NA	NA	2.54 U
SIB-SW-WR186	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/L	6.4	NA	NA	3220
SIB-SW-WR186	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	2.46 J	1.77 U	6.81 U
SIB-SW-WR186	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	9.06 J	4.9 U	9.1 J
SIB-SW-WR186	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	2.73 UJ	2.63 U	10.9 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	1.27 UJ	1.16 U	1.46 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	2.93 UJ	2.49 U	3.29 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	1.21 UJ	1.14 U	1.53 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	2.9 UJ	2.35 U	3.13 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	2.2 UJ	1.87 U	2.62 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	2.9 UJ	2.41 U	3.21 U
SIB-SW-WR186	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	2.27 UJ	1.66 U	2.72 U
SIB-SW-WR186	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	2.03 UJ	3.07 U	2.21 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	1.35 UJ	1.13 U	1.45 U
SIB-SW-WR186	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	1.96 UJ	1.44 U	2.52 U
SIB-SW-WR186	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	0.132	0.00335	0.104
SIB-SW-WR186	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	3.52 UJ	3.39 U	2.43 U
SIB-SW-WR186	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	3.17 UJ	3.47 U	2.19 U
SIB-SW-WR186	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	17 J	4.9 U	9.1 J
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	1.52 J	1.13 U	1.45 U
SIB-SW-WR186	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.9 U	2.35 U	3.13 U
SIB-SW-WR186	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	5.98 UJ	7.07 U	4.05 U
SIB-SW-WR186	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	14.9 UJ	9.19 U	14.5 U
SIB-SW-WR186	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	0.959 U	1.44 U	2.52 U
SIB-SW-WR186	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	2.03 U	3.07 U	2.21 U
SIB-SW-WR186	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	3.52 U	3.39 U	2.43 U
SIB-SW-WR186	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	3.17 U	3.47 U	2.19 U
SIB-SW-WR186	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	3.99	4.36	3.77
SIB-SW-WR186	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	6.09 J	1.77 U	6.81 U
SIB-SW-WR186	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	4 J	3.5 U	3.8 J
SIB-SW-WR186	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	1.1 J	0.13 U	3 J
SIB-SW-WR186	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	0.37 U	NA	3.5 U
SIB-SW-WR186	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	8300	NA
SIB-SW-WR186	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	21.1	12.5	6.2
SIB-SW-WR186	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	0.012 U	0.013 U	0.013 U
SIB-SW-WR186	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	6	5 U	5 U
SIB-SW-WR186	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	0.05 U	0.05 U	NA
SIB-SW-WR198	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	18 U	15 U	15 U
SIB-SW-WR198	Mercury	MERCURY	SW7470A	ng/L	NE	13 U	NA	NA
SIB-SW-WR198	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	0.71	0.12 J
SIB-SW-WR198	Metals	ARSENIC	SW6020B	µg/L	0.018	0.098 J	NA	NA
SIB-SW-WR198	Metals	CADMIUM	SW6020B	µg/L	NE	0.042 J	NA	NA
SIB-SW-WR198	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	1.31	0.41
SIB-SW-WR198	Metals	CHROMIUM, TOTAL	SW6020B	µg/L	100	0.55	NA	NA
SIB-SW-WR198	Metals	COPPER	SW6020A	µg/L	2.74	NA	590	84.3
SIB-SW-WR198	Metals	COPPER	SW6020B	µg/L	2.74	123	NA	NA
SIB-SW-WR198	Metals	LEAD	SW6020B	µg/L	NE	1.33	NA	NA
SIB-SW-WR198	Metals	ZINC	SW6020A	µg/L	36.5	NA	988	182
SIB-SW-WR198	Metals	ZINC	SW6020B	µg/L	36.5	153	NA	NA
SIB-SW-WR198	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.016 R	NA
SIB-SW-WR198	O/P	ALDRIN	E1699M	ng/L	0.00077	0.028 UJ	NA	0.015 UJ

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR198	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	0.24 UJ	NA	0.1 UJ
SIB-SW-WR198	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR198	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	0.27 UJ	NA	0.11 UJ
SIB-SW-WR198	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.032 UJ
SIB-SW-WR198	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.09 R	NA
SIB-SW-WR198	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	0.13 UJ	NA	0.064 UJ
SIB-SW-WR198	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.047 R	NA
SIB-SW-WR198	O/P	OXYCHLORDANE	E1699M	ng/L	NE	0.062 UJ	NA	0.032 UJ
SIB-SW-WR198	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR198	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	0.2 UJ	NA	0.1 UJ
SIB-SW-WR198	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	0.27 U	NA	0.11 UJ
SIB-SW-WR198	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.069 R	NA
SIB-SW-WR198	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.216 J	NA
SIB-SW-WR198	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.013 UJ	NA
SIB-SW-WR198	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	0.0384 J	NA	0.0628 J
SIB-SW-WR198	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR198	O/P	DDD; 2,4'-	E1699M	ng/L	NE	0.062 UJ	NA	0.035 UJ
SIB-SW-WR198	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR198	O/P	DDD; P,P'-	E1699M	ng/L	NE	0.077 UJ	NA	0.026 UJ
SIB-SW-WR198	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	0.077 U	NA	0.035 UJ
SIB-SW-WR198	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.071 R	NA
SIB-SW-WR198	O/P	DDE; O,P'-	E1699M	ng/L	NE	0.055 UJ	NA	0.026 UJ
SIB-SW-WR198	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR198	O/P	DDE; P,P'-	E1699M	ng/L	NE	0.084 UJ	NA	0.041 UJ
SIB-SW-WR198	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	0.084 U	NA	0.041 UJ
SIB-SW-WR198	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.19 R	NA
SIB-SW-WR198	O/P	DDT; O,P'-	E1699M	ng/L	NE	0.093 UJ	NA	0.038 UJ
SIB-SW-WR198	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.18 R	NA
SIB-SW-WR198	O/P	DDT; P,P'-	E1699M	ng/L	NE	0.093 UJ	NA	0.049 UJ
SIB-SW-WR198	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	0.093 U	NA	0.049 UJ
SIB-SW-WR198	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	0.093 U	NA	0.049 UJ
SIB-SW-WR198	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	1.3 U	2 U	0.4 U
SIB-SW-WR198	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	2.3 J	1.8 U	0.36 U
SIB-SW-WR198	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	1.1 U	1.9 U	0.37 U
SIB-SW-WR198	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	0.82 U	1.5 U	0.29 U
SIB-SW-WR198	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	0.97 U	1.7 U	0.34 U
SIB-SW-WR198	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	1.1 U	2.1 U	0.41 U
SIB-SW-WR198	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	0.83 U	1.3 U	2.1 J
SIB-SW-WR198	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	1.2 J	1.8 U	2.4 J
SIB-SW-WR198	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	0.94 U	2.1 U	0.41 U
SIB-SW-WR198	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	0.76 U	3.3 U	3.5
SIB-SW-WR198	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	1.3 U	2.3 U	0.45 U
SIB-SW-WR198	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	2.7 J	2.3 U	6.3

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	2.3 J	2.1 U	0.42 U
SIB-SW-WR198	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	0.89 U	2.2 U	0.84 J
SIB-SW-WR198	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	1.4 U	3.6 U	0.71 U
SIB-SW-WR198	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	1.1 U	34	0.72 U
SIB-SW-WR198	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	4.4 J	3.9 U	9.6
SIB-SW-WR198	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	1.3 U	2.3 U	0.75 J
SIB-SW-WR198	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	19	52	27.2
SIB-SW-WR198	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	0.01 UJ	0.003 U	0.003 U
SIB-SW-WR198	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR198	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	0.01 U	0.003 U	0.003 U
SIB-SW-WR198	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	pg/L	NE	6.05 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/L	NE	3.44 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/L	NE	5.61 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/L	NE	3.38 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/L	NE	2.85 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/L	NE	0.807 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/L	NE	15.6 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/L	NE	5.69 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/L	NE	5.25 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/L	NE	5.54 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/L	NE	6.31 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/L	NE	6.75 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/L	NE	6.37 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/L	NE	5.82 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/L	NE	6.14 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/L	NE	5.95 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/L	NE	1.87 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/L	NE	1.93 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/L	NE	5.33 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/L	NE	3.27 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/L	NE	2.15 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/L	NE	1.59 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/L	NE	2.29 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/L	NE	3.08 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/L	NE	1.49 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/L	NE	2.02 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/L	NE	1.68 U	NA	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/L	NE	3.74 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/L	NE	1.42 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/L	NE	8.03 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/L	NE	1.55 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/L	NE	1.66 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/L	NE	1.04 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/L	NE	1.42 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/L	NE	1.4 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/L	NE	1.44 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/L	NE	3.08 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/L	NE	4.18 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/L	NE	27.2 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/L	NE	9.45 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/L	NE	4.12 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/L	NE	4.1 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/L	NE	9.64 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/L	NE	4.4 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/L	NE	3.84 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/L	NE	3.55 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/L	NE	3.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/L	NE	4.63 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/L	NE	3.33 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/L	NE	3.97 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/L	NE	4.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/L	NE	1.76 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/L	NE	1.61 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/L	NE	19.1 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/L	NE	1.08 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/L	NE	1.02 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/L	NE	1.1 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/L	NE	19.7 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/L	NE	1.19 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/L	NE	1.08 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/L	NE	1.74 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/L	NE	2.74 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/L	NE	1.34 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/L	NE	1.21 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/L	NE	2.8 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/L	NE	2.76 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/L	NE	2.51 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/L	NE	2.78 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/L	NE	1.36 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/L	NE	3.16 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/L	NE	0.892 U	NA	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/L	NE	0.913 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/L	NE	1.23 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/L	NE	1.25 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/L	NE	1.34 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/L	NE	0.892 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/L	NE	1.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/L	NE	0.892 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/L	NE	1.3 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/L	NE	2.93 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/L	NE	0.892 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/L	NE	0.913 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	PCB-167	E1668	pg/L	NE	1.87 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	PCB-82	E1668	pg/L	NE	4.86 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/L	NE	5.59 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/L	NE	4.12 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/L	NE	3.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/L	NE	17 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/L	NE	22.6 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/L	NE	4.86 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/L	NE	4.06 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/L	NE	3.72 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/L	NE	4.54 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/L	NE	4.01 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/L	NE	3.74 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/L	NE	22.1 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/L	NE	1.34 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/L	NE	7.94 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/L	NE	3.82 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/L	NE	1.21 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/L	NE	8.43 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/L	NE	2.57 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/L	NE	2.8 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/L	NE	3.44 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/L	NE	2.15 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/L	NE	32.7 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/L	NE	2.78 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/L	NE	2.72 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/L	NE	2.74 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/L	NE	2.48 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/L	NE	20 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/L	NE	3.06 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/L	NE	2.78 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/L	NE	2.99 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/L	NE	2.76 U	NA	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/L	NE	NA	NA	NA
SIB-SW-WR198	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/L	NE	2 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/L	NE	3.7 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/L	NE	2.57 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/L	NE	3.38 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/L	NE	2.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/L	NE	2.82 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/L	NE	1.3 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/L	NE	1.08 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/L	NE	2.06 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/L	NE	2.53 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/L	NE	1.59 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/L	NE	2.63 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/L	NE	0.871 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/L	NE	3.31 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/L	NE	2.1 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/L	NE	2.02 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/L	NE	2.02 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/L	NE	1.87 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/L	NE	2.06 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/L	NE	2.1 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/L	NE	2.04 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/L	NE	2.04 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/L	NE	1.85 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/L	NE	1.74 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/L	NE	4.14 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/L	NE	1.95 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/L	NE	1.89 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/L	NE	2.21 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/L	NE	1.89 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/L	NE	2.44 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/L	NE	1.76 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/L	NE	2.04 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/L	NE	3.21 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/L	NE	3.4 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/L	NE	2.89 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/L	NE	4.63 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/L	NE	2.4 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/L	NE	2.57 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/L	NE	2.4 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/L	NE	2.27 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/L	NE	2.48 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/L	NE	2.63 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/L	NE	2.42 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/L	NE	2.8 U	NA	NA

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/L	NE	2.55 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/L	NE	2.38 UJ	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/L	NE	2.31 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/L	NE	3.36 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/L	NE	2.78 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/L	NE	4.18 J	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/L	NE	3.08 U	NA	NA
SIB-SW-WR198	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/L	NE	3.19 U	NA	NA
SIB-SW-WR198	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/L	6.4	475	NA	NA
SIB-SW-WR198	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	1.71 UJ	2.31 U	5.6 U
SIB-SW-WR198	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	5.68 UJ	4.74 U	8.35 J
SIB-SW-WR198	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	2.61 UJ	3.54 U	8.51 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	1.24 UJ	1.54 U	1.44 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	3.37 UJ	3.5 U	2.76 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	1.2 UJ	1.57 U	1.4 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	2.94 UJ	3.36 U	2.64 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	2.16 UJ	2.68 U	2.54 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	3.13 UJ	3.42 U	2.7 U
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	2.46 UJ	1.88 U	2.38 U
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	3.22 UJ	3.05 U	2.3 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	1.32 UJ	1.79 U	1.55 U
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	2.2 UJ	1.64 U	2.3 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	1.32 UJ	1.79 U	1.55 U
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	2.2 UJ	1.64 U	2.3 U
SIB-SW-WR198	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	0.00402	0	0.0915
SIB-SW-WR198	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	3.15 UJ	3.87 U	2.18 U
SIB-SW-WR198	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	2.94 UJ	3.94 U	2.14 U
SIB-SW-WR198	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	5.68 U	4.74 U	15 J
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	1.2 U	1.54 U	1.4 U
SIB-SW-WR198	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.94 U	3.36 U	2.64 U
SIB-SW-WR198	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	7.84 UJ	9.52 U	4.08 U
SIB-SW-WR198	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	9.96 UJ	7.42 U	12.4 UJ
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	0.797 U	1.64 U	2.3 U
SIB-SW-WR198	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	3.22 U	3.05 U	2.3 U
SIB-SW-WR198	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	3.15 U	3.87 U	2.18 U
SIB-SW-WR198	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.94 U	3.94 U	2.14 U
SIB-SW-WR198	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	4.43	4.91	3.63
SIB-SW-WR198	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	1.71 U	2.31 U	5.6 U
SIB-SW-WR198	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	3.2 U	3.9 U	3.6 J
SIB-SW-WR198	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	0.15 U	0.13 U	0.27 U
SIB-SW-WR198	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	0.37 U	NA	3.5 U
SIB-SW-WR198	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	54000	NA
SIB-SW-WR198	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	9.6	66	7.3
SIB-SW-WR198	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	0.012 U	0.013 U	0.013 U
SIB-SW-WR198	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	5.5	5 U	5 U

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR198	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	0.05 U	0.05 U	NA
SIB-SW-WR428[1]	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	16 U	37 U	67 U
SIB-SW-WR428[1]	Mercury	MERCURY	SW7470A	ng/L	NE	13 U	NA	NA
SIB-SW-WR428[1]	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	0.25 J	0.37 J
SIB-SW-WR428[1]	Metals	ARSENIC	SW6020B	µg/L	0.018	0.358	NA	NA
SIB-SW-WR428[1]	Metals	CADMIUM	SW6020B	µg/L	NE	0.03 U	NA	NA
SIB-SW-WR428[1]	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	0.47	0.24
SIB-SW-WR428[1]	Metals	CHROMIUM, TOTAL	SW6020B	µg/L	100	0.598	NA	NA
SIB-SW-WR428[1]	Metals	COPPER	SW6020A	µg/L	2.74	NA	4.63	3.6
SIB-SW-WR428[1]	Metals	COPPER	SW6020B	µg/L	2.74	2.53	NA	NA
SIB-SW-WR428[1]	Metals	LEAD	SW6020B	µg/L	NE	0.337	NA	NA
SIB-SW-WR428[1]	Metals	ZINC	SW6020A	µg/L	36.5	NA	45.1	66.3
SIB-SW-WR428[1]	Metals	ZINC	SW6020B	µg/L	36.5	39.2	NA	NA
SIB-SW-WR428[1]	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.026 R	NA
SIB-SW-WR428[1]	O/P	ALDRIN	E1699M	ng/L	0.00077	0.036 UJ	NA	0.015 UJ
SIB-SW-WR428[1]	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR428[1]	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	0.11 UJ	NA	0.09 UJ
SIB-SW-WR428[1]	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR428[1]	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	0.12 UJ	NA	0.098 UJ
SIB-SW-WR428[1]	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.016 UJ
SIB-SW-WR428[1]	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR428[1]	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	0.14 UJ	NA	0.093 UJ
SIB-SW-WR428[1]	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.045 R	NA
SIB-SW-WR428[1]	O/P	OXYCHLORDANE	E1699M	ng/L	NE	0.055 UJ	NA	0.016 UJ
SIB-SW-WR428[1]	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR428[1]	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	0.093 UJ	NA	0.087 UJ
SIB-SW-WR428[1]	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	0.14 U	NA	0.098 UJ
SIB-SW-WR428[1]	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.071 R	NA
SIB-SW-WR428[1]	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR428[1]	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.03 R	NA
SIB-SW-WR428[1]	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	0.118 J	NA	0.118 J
SIB-SW-WR428[1]	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR428[1]	O/P	DDD; 2,4'-	E1699M	ng/L	NE	0.088 UJ	NA	0.041 UJ
SIB-SW-WR428[1]	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR428[1]	O/P	DDD; P,P'-	E1699M	ng/L	NE	0.07 UJ	NA	0.048 UJ
SIB-SW-WR428[1]	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	0.088 U	NA	0.048 UJ

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.088 R	NA
SIB-SW-WR428[1]	O/P	DDE; O,P'-	E1699M	ng/L	NE	0.069 UJ	NA	0.031 UJ
SIB-SW-WR428[1]	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.11 R	NA
SIB-SW-WR428[1]	O/P	DDE; P,P'-	E1699M	ng/L	NE	0.13 UJ	NA	0.0594 J
SIB-SW-WR428[1]	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	0.13 U	NA	0.075 J
SIB-SW-WR428[1]	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.2 R	NA
SIB-SW-WR428[1]	O/P	DDT; O,P'-	E1699M	ng/L	NE	0.085 UJ	NA	0.068 UJ
SIB-SW-WR428[1]	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.26 R	NA
SIB-SW-WR428[1]	O/P	DDT; P,P'-	E1699M	ng/L	NE	0.14 UJ	NA	0.11 UJ
SIB-SW-WR428[1]	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	0.14 U	NA	0.11 UJ
SIB-SW-WR428[1]	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	0.14 U	NA	0.21 J
SIB-SW-WR428[1]	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	1.3 U	18	0.4 U
SIB-SW-WR428[1]	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	1.5 J	0.36 U	0.36 U
SIB-SW-WR428[1]	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	1.1 U	0.37 U	0.37 U
SIB-SW-WR428[1]	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	0.82 U	0.29 U	0.29 U
SIB-SW-WR428[1]	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	0.97 U	0.34 U	0.34 U
SIB-SW-WR428[1]	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	1.1 U	0.41 U	0.41 U
SIB-SW-WR428[1]	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	0.83 U	0.25 U	7.1
SIB-SW-WR428[1]	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	0.86 U	0.36 U	8.5
SIB-SW-WR428[1]	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	0.94 U	0.41 U	1.3 J
SIB-SW-WR428[1]	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	0.76 U	0.65 U	16
SIB-SW-WR428[1]	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	1.3 U	0.45 U	0.45 U
SIB-SW-WR428[1]	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	2 J	0.46 U	18
SIB-SW-WR428[1]	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	1.1 U	12	0.42 U
SIB-SW-WR428[1]	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	0.89 U	0.44 U	4.2
SIB-SW-WR428[1]	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	1.4 U	22	0.71 U
SIB-SW-WR428[1]	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	1.1 U	35	28
SIB-SW-WR428[1]	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	2.3 J	0.78 U	22
SIB-SW-WR428[1]	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	1.3 U	0.45 U	1.6 J
SIB-SW-WR428[1]	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	13	89.8	107
SIB-SW-WR428[1]	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	0.01 UJ	0.003 U	0.003 U
SIB-SW-WR428[1]	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR428[1]	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	0.01 U	0.003 U	0.003 U
SIB-SW-WR428[1]	PCBs (as congeners)	DICHLOROBIPHENYL; 2,3-	E1668	pg/L	NE	5.39 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	CHLOROBIPHENYL; 2-	E1668	pg/L	NE	2.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	DICHLOROBIPHENYL; 4,4'-	E1668	pg/L	NE	5.05 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Chlorobiphenyl; 3-	E1668	pg/L	NE	2.61 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Chlorobiphenyl; 4-	E1668	pg/L	NE	2.23 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	DECACHLOROBIPHENYL	E1668	pg/L	NE	0.62 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,2'-	E1668	pg/L	NE	12.7 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,3'-	E1668	pg/L	NE	5.07 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,4'-	E1668	pg/L	NE	4.69 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,4-	E1668	pg/L	NE	4.94 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,5-	E1668	pg/L	NE	5.63 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 2,6-	E1668	pg/L	NE	5.95 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 3,3'-	E1668	pg/L	NE	5.69 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 3,4-	E1668	pg/L	NE	5.18 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Dichlorobiphenyl; 3,5-	E1668	pg/L	NE	5.48 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	E1668	pg/L	NE	6.76 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	E1668	pg/L	NE	1.84 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	E1668	pg/L	NE	1.9 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	E1668	pg/L	NE	5.93 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	E1668	pg/L	NE	3.02 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	E1668	pg/L	NE	1.05 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	E1668	pg/L	NE	0.813 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	E1668	pg/L	NE	1.2 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	E1668	pg/L	NE	1.86 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	E1668	pg/L	NE	1.48 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	E1668	pg/L	NE	0.984 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	E1668	pg/L	NE	1.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	E1668	pg/L	NE	3.74 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	E1668	pg/L	NE	0.706 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	E1668	pg/L	NE	6.18 J	NA	NA

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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	E1668	pg/L	NE	0.749 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	E1668	pg/L	NE	0.813 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	E1668	pg/L	NE	1.03 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	E1668	pg/L	NE	1.39 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	E1668	pg/L	NE	1.37 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	E1668	pg/L	NE	1.41 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,4'-	E1668	pg/L	NE	1.84 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5'-	E1668	pg/L	NE	2.8 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,5-	E1668	pg/L	NE	37.5 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6'-	E1668	pg/L	NE	11.2 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',4,6-	E1668	pg/L	NE	2.46 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,5'-	E1668	pg/L	NE	2.44 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6'-	E1668	pg/L	NE	7.62 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',5,6-	E1668	pg/L	NE	2.61 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,3',6,6'-	E1668	pg/L	NE	2.74 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',5-	E1668	pg/L	NE	2.12 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,4',6-	E1668	pg/L	NE	1.95 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,5'-	E1668	pg/L	NE	5.52 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,5'-	E1668	pg/L	NE	4.13 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6'-	E1668	pg/L	NE	2.35 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5,6-	E1668	pg/L	NE	2.55 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,5',6-	E1668	pg/L	NE	1.52 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6'-	E1668	pg/L	NE	1.13 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',5,6-	E1668	pg/L	NE	19.2 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4,6,6'-	E1668	pg/L	NE	0.77 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,4',6,6'-	E1668	pg/L	NE	0.727 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',3,5,6,6'-	E1668	pg/L	NE	0.792 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,5'-	E1668	pg/L	NE	20.7 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',5,6'-	E1668	pg/L	NE	0.856 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,2',4,4',6,6'-	E1668	pg/L	NE	0.77 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',5-	E1668	pg/L	NE	1.37 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,4',6-	E1668	pg/L	NE	3.79 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,5'-	E1668	pg/L	NE	1.07 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5,5'-	E1668	pg/L	NE	0.984 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5,6-	E1668	pg/L	NE	1.67 U	NA	NA

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4,5',6-	E1668	pg/L	NE	1.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',4',5',6-	E1668	pg/L	NE	2.55 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 2,3,3',5,5',6-	E1668	pg/L	NE	1.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Hexachlorobiphenyl; 3,3',4,4',5,5'-	E1668	pg/L	NE	1.13 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	E1668	pg/L	NE	2.01 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	E1668	pg/L	NE	1.31 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	E1668	pg/L	NE	1.39 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	E1668	pg/L	NE	1.22 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	E1668	pg/L	NE	0.941 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	E1668	pg/L	NE	1.35 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	E1668	pg/L	NE	0.663 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	E1668	pg/L	NE	0.941 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	E1668	pg/L	NE	0.642 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	E1668	pg/L	NE	0.877 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	E1668	pg/L	NE	2.1 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/L	NE	0.663 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/L	NE	0.963 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,6,6'-	E1668	pg/L	NE	2.46 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	PCB-167	E1668	pg/L	NE	4.39 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	PCB-82	E1668	pg/L	NE	3.25 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/L	NE	6.57 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/L	NE	3.94 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/L	NE	15.6 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/L	NE	1.95 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/L	NE	2.82 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/L	NE	3.47 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/L	NE	2.16 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/L	NE	4.92 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/L	NE	2.33 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/L	NE	2.18 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/L	NE	2.57 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/L	NE	0.92 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/L	NE	7.45 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/L	NE	2.23 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/L	NE	0.941 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/L	NE	0.663 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	E1668	pg/L	NE	0.963 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	E1668	pg/L	NE	2.46 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	PCB-167	E1668	pg/L	NE	4.39 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	PCB-82	E1668	pg/L	NE	3.25 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',5-	E1668	pg/L	NE	6.57 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,3',6-	E1668	pg/L	NE	3.94 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,4'-	E1668	pg/L	NE	15.6 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,5-	E1668	pg/L	NE	1.95 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',5-	E1668	pg/L	NE	2.82 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6'-	E1668	pg/L	NE	3.47 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4,6-	E1668	pg/L	NE	2.16 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,4',6'-	E1668	pg/L	NE	4.92 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,5'-	E1668	pg/L	NE	2.33 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6'-	E1668	pg/L	NE	2.18 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5,6-	E1668	pg/L	NE	2.57 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,5',6-	E1668	pg/L	NE	0.92 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',3,6,6'-	E1668	pg/L	NE	7.45 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,4',5-	E1668	pg/L	NE	2.23 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,5',6-	E1668	pg/L	NE	0.941 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,2',4,6,6'-	E1668	pg/L	NE	0.663 U	NA	NA

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,4'-	E1668	pg/L	NE	9.26 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5'-	E1668	pg/L	NE	1.86 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4,5-	E1668	pg/L	NE	2.03 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5'-	E1668	pg/L	NE	2.48 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',5-	E1668	pg/L	NE	1.54 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',4',6-	E1668	pg/L	NE	34.2 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,5'-	E1668	pg/L	NE	1.63 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,3',5,6-	E1668	pg/L	NE	1.58 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3,4,4',5-	E1668	pg/L	NE	1.93 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5'-	E1668	pg/L	NE	1.75 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,4',5-	E1668	pg/L	NE	18.6 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5,5'-	E1668	pg/L	NE	1.78 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 2,3',4,5',6-	E1668	pg/L	NE	1.63 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,4',5-	E1668	pg/L	NE	1.88 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Pentachlorobiphenyl; 3,3',4,5,5'-	E1668	pg/L	NE	2.01 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Polychlorinated Biphenyl (PCB)	E1668	pg/L	NE	NA	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	TETRACHLORO 1,1'-BIPHENYL	E1668	pg/L	NE	1.69 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,3'-	E1668	pg/L	NE	3.81 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4'-	E1668	pg/L	NE	2.33 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,4-	E1668	pg/L	NE	3.04 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5'-	E1668	pg/L	NE	2.05 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,5-	E1668	pg/L	NE	2.55 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6'-	E1668	pg/L	NE	1.03 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',3,6-	E1668	pg/L	NE	0.984 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5'-	E1668	pg/L	NE	1.86 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,5-	E1668	pg/L	NE	2.29 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',4,6-	E1668	pg/L	NE	2.12 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',5,5'-	E1668	pg/L	NE	2.37 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,2',6,6'-	E1668	pg/L	NE	0.877 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4'-	E1668	pg/L	NE	2.72 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',4-	E1668	pg/L	NE	1.8 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5'-	E1668	pg/L	NE	1.71 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',5-	E1668	pg/L	NE	1.71 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,3',6-	E1668	pg/L	NE	1.69 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4,4'-	E1668	pg/L	NE	1.73 U	NA	NA

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,4'-	E1668	pg/L	NE	1.78 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',5-	E1668	pg/L	NE	1.71 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5'-	E1668	pg/L	NE	1.56 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',4,5-	E1668	pg/L	NE	1.48 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3,4',6-	E1668	pg/L	NE	2.65 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5,5'-	E1668	pg/L	NE	1.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 2,3',5',6-	E1668	pg/L	NE	1.71 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,4'-	E1668	pg/L	NE	1.8 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5'-	E1668	pg/L	NE	1.6 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',4,5-	E1668	pg/L	NE	2.08 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 3,3',5,5'-	E1668	pg/L	NE	1.5 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Tetrachlorobiphenyl; 3,4,4',5-	E1668	pg/L	NE	1.69 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,2',3-	E1668	pg/L	NE	2.65 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,2',4-	E1668	pg/L	NE	2.82 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,2',5-	E1668	pg/L	NE	2.59 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,2',6-	E1668	pg/L	NE	4 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3,3'-	E1668	pg/L	NE	1.99 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4'-	E1668	pg/L	NE	2.14 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3,4-	E1668	pg/L	NE	1.99 UJ	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3',4-	E1668	pg/L	NE	1.88 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3,5-	E1668	pg/L	NE	2.05 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5'-	E1668	pg/L	NE	2.18 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3',5-	E1668	pg/L	NE	2.01 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3,6-	E1668	pg/L	NE	2.31 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,3',6-	E1668	pg/L	NE	2.55 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,4',5-	E1668	pg/L	NE	1.97 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 2,4',6-	E1668	pg/L	NE	3.17 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 3,3',4-	E1668	pg/L	NE	2.33 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 3,3',5-	E1668	pg/L	NE	1.95 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 3,4,4'-	E1668	pg/L	NE	2.95 J	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 3,4,5-	E1668	pg/L	NE	2.16 U	NA	NA
SIB-SW-WR428[1]	PCBs (as congeners)	Trichlorobiphenyl; 3,4',5-	E1668	pg/L	NE	2.23 U	NA	NA
SIB-SW-WR428[1]	Calculated	Total PCB Congener (Calculated U = 1/2)	CALC_SUM	pg/L	6.4	418	NA	NA
SIB-SW-WR428[1]	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	2.48 J	2.29 U	7.67 J
SIB-SW-WR428[1]	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	22.1 J	14.1 J	17.2 J

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR428[1]	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	3.12 UJ	3.6 U	6.82 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	1.24 UJ	1.1 U	1.9 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	4.25 UJ	3.21 U	5.45 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	1.18 UJ	1 U	1.84 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	3.97 UJ	2.98 U	5.65 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	1.93 UJ	1.79 U	2.84 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	4.11 UJ	3.08 U	5.57 U
SIB-SW-WR428[1]	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	1.95 UJ	2.02 U	1.91 U
SIB-SW-WR428[1]	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	1.78 UJ	2.08 U	2.32 U
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	1.26 UJ	1.16 U	1.95 U
SIB-SW-WR428[1]	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	1.8 UJ	1.93 U	1.99 U
SIB-SW-WR428[1]	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	0.284	0.168	0.287
SIB-SW-WR428[1]	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	3 UJ	2.77 U	2.72 U
SIB-SW-WR428[1]	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	3.52 UJ	2.62 U	2.04 U
SIB-SW-WR428[1]	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	46.8 J	33.8 J	38 J
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	1.42 J	1 U	2.44 J
SIB-SW-WR428[1]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	3.97 U	4.5 J	5.45 U
SIB-SW-WR428[1]	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	8.1 UJ	7.83 U	13.6 J
SIB-SW-WR428[1]	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	127 J	88.6 J	112
SIB-SW-WR428[1]	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	0.834 U	0.808 U	1.91 U
SIB-SW-WR428[1]	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	1.78 U	2.08 U	2.32 U
SIB-SW-WR428[1]	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	3 U	2.77 U	2.72 U
SIB-SW-WR428[1]	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	3.52 U	2.62 U	2.04 U
SIB-SW-WR428[1]	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	4.3	3.72	4.22
SIB-SW-WR428[1]	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	6.85 J	3.25 J	19.5 J
SIB-SW-WR428[1]	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	4.3 J	3.7 J	4.2 J
SIB-SW-WR428[1]	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	0.14 U	0.13 U	0.27 U
SIB-SW-WR428[1]	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	0.36 U	NA	3.5 U
SIB-SW-WR428[1]	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	7600	NA
SIB-SW-WR428[1]	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	6.2	10.1	4.9
SIB-SW-WR428[1]	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	0.012 U	0.013 U	0.013 U
SIB-SW-WR428[1]	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	8.5	5	5 U
SIB-SW-WR428[1]	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	0.05 U	0.05 U	NA
SIB-SW-WR71	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	15 U	14 U	15 U
SIB-SW-WR71	Mercury	MERCURY	SW7470A	ng/L	NE	13 U	NA	NA

Table 3-7 (continued)
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR71	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	0.15 J	0.13 J
SIB-SW-WR71	Metals	ARSENIC	SW6020B	µg/L	0.018	0.213	NA	NA
SIB-SW-WR71	Metals	CADMIUM	SW6020B	µg/L	NE	0.031 J	NA	NA
SIB-SW-WR71	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	0.26	0.23
SIB-SW-WR71	Metals	CHROMIUM, TOTAL	SW6020B	µg/L	100	0.442 J	NA	NA
SIB-SW-WR71	Metals	COPPER	SW6020A	µg/L	2.74	NA	3.27	3.63
SIB-SW-WR71	Metals	COPPER	SW6020B	µg/L	2.74	3.67	NA	NA
SIB-SW-WR71	Metals	LEAD	SW6020B	µg/L	NE	0.0513 U	NA	NA
SIB-SW-WR71	Metals	ZINC	SW6020A	µg/L	36.5	NA	8.3	22.2
SIB-SW-WR71	Metals	ZINC	SW6020B	µg/L	36.5	25.6	NA	NA
SIB-SW-WR71	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.028 R	NA
SIB-SW-WR71	O/P	ALDRIN	E1699M	ng/L	0.00077	0.034 UJ	NA	0.024 UJ
SIB-SW-WR71	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.15 R	NA
SIB-SW-WR71	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	0.19 UJ	NA	0.11 UJ
SIB-SW-WR71	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.15 R	NA
SIB-SW-WR71	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	0.22 UJ	NA	0.12 UJ
SIB-SW-WR71	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.031 UJ
SIB-SW-WR71	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.1 R	NA
SIB-SW-WR71	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	0.15 UJ	NA	0.067 UJ
SIB-SW-WR71	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.048 R	NA
SIB-SW-WR71	O/P	OXYCHLORDANE	E1699M	ng/L	NE	0.025 UJ	NA	0.031 UJ
SIB-SW-WR71	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR71	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	0.16 UJ	NA	0.11 UJ
SIB-SW-WR71	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	0.22 U	NA	0.12 UJ
SIB-SW-WR71	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR71	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.15 R	NA
SIB-SW-WR71	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.031 R	NA
SIB-SW-WR71	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	0.108 J	NA	0.035 J
SIB-SW-WR71	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR71	O/P	DDD; 2,4'-	E1699M	ng/L	NE	0.089 UJ	NA	0.033 UJ
SIB-SW-WR71	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.14 R	NA
SIB-SW-WR71	O/P	DDD; P,P'-	E1699M	ng/L	NE	0.071 UJ	NA	0.034 UJ
SIB-SW-WR71	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	0.089 U	NA	0.034 UJ
SIB-SW-WR71	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.098 R	NA
SIB-SW-WR71	O/P	DDE; O,P'-	E1699M	ng/L	NE	0.086 UJ	NA	0.033 UJ
SIB-SW-WR71	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.13 R	NA
SIB-SW-WR71	O/P	DDE; P,P'-	E1699M	ng/L	NE	0.09 UJ	NA	0.045 UJ
SIB-SW-WR71	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	0.09 U	NA	0.045 UJ
SIB-SW-WR71	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.21 R	NA
SIB-SW-WR71	O/P	DDT; O,P'-	E1699M	ng/L	NE	0.085 UJ	NA	0.049 UJ
SIB-SW-WR71	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.29 R	NA
SIB-SW-WR71	O/P	DDT; P,P'-	E1699M	ng/L	NE	0.091 UJ	NA	0.042 UJ
SIB-SW-WR71	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	0.091 U	NA	0.049 UJ
SIB-SW-WR71	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	0.091 U	NA	0.049 UJ

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR71	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	1.3 U	0.4 U	0.4 U
SIB-SW-WR71	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	1.2 U	0.36 U	0.36 U
SIB-SW-WR71	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	2.1 J	0.37 U	0.37 U
SIB-SW-WR71	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	0.82 U	0.29 U	0.29 U
SIB-SW-WR71	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	0.97 U	0.34 U	0.34 U
SIB-SW-WR71	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	1.1 U	0.41 U	0.41 U
SIB-SW-WR71	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	0.83 U	0.25 U	0.25 U
SIB-SW-WR71	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	0.86 U	0.36 U	0.36 U
SIB-SW-WR71	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	0.94 U	0.41 U	0.41 U
SIB-SW-WR71	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	0.76 U	0.65 U	0.65 U
SIB-SW-WR71	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	1.3 U	0.45 U	0.45 U
SIB-SW-WR71	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	1.7 J	0.46 U	0.46 U
SIB-SW-WR71	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	1.6 J	0.42 U	0.42 U
SIB-SW-WR71	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	0.89 U	0.44 U	0.44 U
SIB-SW-WR71	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	1.4 U	0.71 U	0.71 U
SIB-SW-WR71	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	1.1 U	0.72 U	0.72 U
SIB-SW-WR71	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	3.1 J	0.78 U	0.78 U
SIB-SW-WR71	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	1.3 U	0.45 U	0.45 U
SIB-SW-WR71	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	15	0.78 U	0.78 U
SIB-SW-WR71	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	0.01 U	0.002 U	0.002 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	0.01 UJ	0.003 U	0.003 U
SIB-SW-WR71	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	0.01 U	0.003 U	0.003 U
SIB-SW-WR71	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	0.01 U	0.003 U	0.003 U
SIB-SW-WR71	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	12.4 J	3.88 J	14.1 J
SIB-SW-WR71	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	34.8 J	9.08 J	30.3 J
SIB-SW-WR71	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	4.56 UJ	3.36 U	9.46 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	2.21 UJ	1.85 U	1.83 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	2.87 UJ	3.95 U	4.28 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	2.11 UJ	1.83 U	1.74 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	2.62 UJ	3.62 U	3.98 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	3.34 UJ	3.1 U	2.85 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	2.73 UJ	3.77 U	4.12 U
SIB-SW-WR71	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	1.83 UJ	1.94 U	1.99 U
SIB-SW-WR71	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	1.79 UJ	1.86 U	1.94 U
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	2.23 UJ	2.01 U	1.82 U
SIB-SW-WR71	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	1.62 UJ	1.64 U	1.82 U
SIB-SW-WR71	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	0.568	0.154	0.518

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR71	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	2.39 UJ	2.97 U	1.75 U
SIB-SW-WR71	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	2.21 UJ	3.08 U	1.74 U
SIB-SW-WR71	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	54.3 J	9.08 J	46.6 J
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	6.48 J	1.83 U	2.45 J
SIB-SW-WR71	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	4.38 J	3.62 U	3.98 U
SIB-SW-WR71	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	68.5 J	17.5 J	46.5 J
SIB-SW-WR71	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	251 J	64 J	201
SIB-SW-WR71	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	0.656 U	0.772 U	1.82 U
SIB-SW-WR71	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	1.79 U	1.86 U	1.94 U
SIB-SW-WR71	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	2.39 U	2.97 U	1.75 U
SIB-SW-WR71	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	2.21 U	3.08 U	1.74 U
SIB-SW-WR71	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	3.89	4.07	3.83
SIB-SW-WR71	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	40.2 J	8.57 J	31.8 J
SIB-SW-WR71	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	3.9 J	4.1 J	3.8 J
SIB-SW-WR71	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	0.14 U	0.13 U	0.27 U
SIB-SW-WR71	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	0.82 J	NA	3.5 U
SIB-SW-WR71	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	8700	NA
SIB-SW-WR71	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	5.1	9.4	5
SIB-SW-WR71	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	0.012 U	0.013 U	0.013 U
SIB-SW-WR71	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	5 U	5 U	5 U
SIB-SW-WR71	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	0.05 U	0.05 UJ	NA
SIB-SW-WR34[2]	Chlorinated Herbicides	MCPP, MECOPROP	SW8151A	µg/L	16	NA	14 U	14 U
SIB-SW-WR34[2]	Metals	ARSENIC	SW6020A	µg/L	0.018	NA	1.23	0.19 J
SIB-SW-WR34[2]	Metals	CHROMIUM, TOTAL	SW6020A	µg/L	100	NA	2.49	0.57
SIB-SW-WR34[2]	Metals	COPPER	SW6020A	µg/L	2.74	NA	125	12
SIB-SW-WR34[2]	Metals	ZINC	SW6020A	µg/L	36.5	NA	880	105
SIB-SW-WR34[2]	O/P	ALDRIN	E1699	ng/L	0.00077	NA	0.047 R	NA
SIB-SW-WR34[2]	O/P	ALDRIN	E1699M	ng/L	0.00077	NA	NA	0.02 UJ
SIB-SW-WR34[2]	O/P	ALPHA-CHLORDANE	E1699	ng/L	NE	NA	0.26 R	NA
SIB-SW-WR34[2]	O/P	ALPHA-CHLORDANE	E1699M	ng/L	NE	NA	NA	0.18 UJ
SIB-SW-WR34[2]	O/P	BETA-CHLORDANE	E1699	ng/L	NE	NA	0.26 R	NA
SIB-SW-WR34[2]	O/P	BETA-CHLORDANE	E1699M	ng/L	NE	NA	NA	0.2 UJ
SIB-SW-WR34[2]	O/P	CHLORDANE	E1699M	ng/L	NE	NA	NA	0.033 UJ
SIB-SW-WR34[2]	O/P	CIS-NONACHLOR	E1699	ng/L	NE	NA	0.21 R	NA
SIB-SW-WR34[2]	O/P	CIS-NONACHLOR	E1699M	ng/L	NE	NA	NA	0.16 UJ
SIB-SW-WR34[2]	O/P	OXYCHLORDANE	E1699	ng/L	NE	NA	0.12 R	NA
SIB-SW-WR34[2]	O/P	OXYCHLORDANE	E1699M	ng/L	NE	NA	NA	0.033 UJ
SIB-SW-WR34[2]	O/P	TRANS-NONACHLOR	E1699	ng/L	NE	NA	0.24 R	NA
SIB-SW-WR34[2]	O/P	TRANS-NONACHLOR	E1699M	ng/L	NE	NA	NA	0.18 UJ

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR34[2]	Calculated	Total Chlordane (Calculated U = 1/2)	CALC_SUM	ng/L	0.081	NA	NA	0.2 UJ
SIB-SW-WR34[2]	O/P	DIELDRIN	E1699	ng/L	NE	NA	0.28 R	NA
SIB-SW-WR34[2]	O/P	GAMMA BHC (LINDANE)	E1699	ng/L	NE	NA	0.39 J	NA
SIB-SW-WR34[2]	O/P	HEXACHLOROBENZENE	E1699	ng/L	0.029	NA	0.087 R	NA
SIB-SW-WR34[2]	O/P	HEXACHLOROBENZENE	E1699M	ng/L	0.029	NA	NA	0.047 J
SIB-SW-WR34[2]	O/P	DDD; 2,4'-	E1699	ng/L	NE	NA	0.37 R	NA
SIB-SW-WR34[2]	O/P	DDD; 2,4'-	E1699M	ng/L	NE	NA	NA	0.063 UJ
SIB-SW-WR34[2]	O/P	DDD; P,P'-	E1699	ng/L	NE	NA	0.32 R	NA
SIB-SW-WR34[2]	O/P	DDD; P,P'-	E1699M	ng/L	NE	NA	NA	0.055 J
SIB-SW-WR34[2]	Calculated	Total DDD (Calculated U = 1/2)	CALC_SUM	ng/L	0.031	NA	NA	0.086 J
SIB-SW-WR34[2]	O/P	DDE; O,P'-	E1699	ng/L	NE	NA	0.15 R	NA
SIB-SW-WR34[2]	O/P	DDE; O,P'-	E1699M	ng/L	NE	NA	NA	0.041 UJ
SIB-SW-WR34[2]	O/P	DDE; P,P'-	E1699	ng/L	NE	NA	0.31 R	NA
SIB-SW-WR34[2]	O/P	DDE; P,P'-	E1699M	ng/L	NE	NA	NA	0.0928 J
SIB-SW-WR34[2]	Calculated	Total DDE (Calculated U = 1/2)	CALC_SUM	ng/L	0.018	NA	NA	0.11 J
SIB-SW-WR34[2]	O/P	DDT; O,P'-	E1699	ng/L	NE	NA	0.47 R	NA
SIB-SW-WR34[2]	O/P	DDT; O,P'-	E1699M	ng/L	NE	NA	NA	0.068 UJ
SIB-SW-WR34[2]	O/P	DDT; P,P'-	E1699	ng/L	NE	NA	0.52 R	NA
SIB-SW-WR34[2]	O/P	DDT; P,P'-	E1699M	ng/L	NE	NA	NA	0.15 UJ
SIB-SW-WR34[2]	Calculated	Total DDT (Calculated U = 1/2)	CALC_SUM	ng/L	0.022	NA	NA	0.15 UJ
SIB-SW-WR34[2]	Calculated	Total DDx (Calculated U = 1/2)	CALC_SUM	ng/L	10	NA	NA	0.31 J
SIB-SW-WR34[2]	PAHs	METHYLNAPHTHALENE; 2-	SW8270D-SIM	ng/L	NE	NA	2 U	9.3
SIB-SW-WR34[2]	PAHs	ACENAPHTHENE	SW8270D-SIM	ng/L	NE	NA	1.8 U	0.36 U
SIB-SW-WR34[2]	PAHs	ACENAPHTHYLENE	SW8270D-SIM	ng/L	NE	NA	1.9 U	0.37 U
SIB-SW-WR34[2]	PAHs	ANTHRACENE	SW8270D-SIM	ng/L	NE	NA	1.5 U	0.29 U
SIB-SW-WR34[2]	PAHs	BENZO(A)ANTHRACENE	SW8270D-SIM	ng/L	1.2	NA	1.7 U	0.34 U
SIB-SW-WR34[2]	PAHs	BENZO(A)PYRENE	SW8270D-SIM	ng/L	0.12	NA	2.1 U	0.41 U
SIB-SW-WR34[2]	PAHs	BENZO(B)FLUORANTHENE	SW8270D-SIM	ng/L	1.2	NA	1.3 U	0.25 U
SIB-SW-WR34[2]	PAHs	BENZO(G,H,I)PERYLENE	SW8270D-SIM	ng/L	NE	NA	1.8 U	0.36 U
SIB-SW-WR34[2]	PAHs	BENZO(K)FLUORANTHENE	SW8270D-SIM	ng/L	1.3	NA	2.1 U	0.41 U
SIB-SW-WR34[2]	PAHs	CHRYSENE	SW8270D-SIM	ng/L	1.3	NA	3.3 U	3.7
SIB-SW-WR34[2]	PAHs	DIBENZ(A,H)ANTHRACENE	SW8270D-SIM	ng/L	0.12	NA	2.3 U	0.45 U
SIB-SW-WR34[2]	PAHs	FLUORANTHENE	SW8270D-SIM	ng/L	NE	NA	2.3 U	7.4
SIB-SW-WR34[2]	PAHs	FLUORENE	SW8270D-SIM	ng/L	NE	NA	2.1 U	3.8
SIB-SW-WR34[2]	PAHs	INDENO(1,2,3-C,D)PYRENE	SW8270D-SIM	ng/L	1.2	NA	2.2 U	0.44 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
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Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR34[2]	PAHs	NAPHTHALENE	SW8270D-SIM	ng/L	12000	NA	3.6 U	15
SIB-SW-WR34[2]	PAHs	PHENANTHRENE	SW8270D-SIM	ng/L	NE	NA	3.6 U	0.72 U
SIB-SW-WR34[2]	PAHs	PYRENE	SW8270D-SIM	ng/L	NE	NA	3.9 U	5
SIB-SW-WR34[2]	Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	CALC_TEQ	ng/L	0.12	NA	2.3 U	0.49
SIB-SW-WR34[2]	Calculated	Total PAH (Calculated U = 1/2)	CALC_SUM	ng/L	NE	NA	3.9 U	46.4
SIB-SW-WR34[2]	PCBs (as Aroclors)	Aroclor 1262	SW8082A	µg/L	NE	NA	0.003 U	0.003 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1016 (AROCLOR 1016)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1221 (AROCLOR 1221)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1232 (AROCLOR 1232)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1242 (AROCLOR 1242)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1248 (AROCLOR 1248)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1254 (AROCLOR 1254)	SW8082A	µg/L	NE	NA	0.002 U	0.002 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1260 (AROCLOR 1260)	SW8082A	µg/L	NE	NA	0.003 U	0.003 U
SIB-SW-WR34[2]	PCBs (as Aroclors)	PCB-1268 (AROCLOR 1268)	SW8082A	µg/L	NE	NA	0.003 U	0.003 U
SIB-SW-WR34[2]	Calculated	Total PCB Aroclors (Calculated U = 1/2)	CALC_SUM	µg/L	6.4E-06	NA	0.003 U	0.003 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	NA	NA	4.27 J
SIB-SW-WR34[2]	PCDD/PCDFs	HEPTACHLORODIBENZO-P-DIOXIN; 1,2,3,4,6,7,8-	E1613B	pg/L	NE	NA	NA	26.7 J
SIB-SW-WR34[2]	PCDD/PCDFs	HEPTACHLORODIBENZOFURAN; 1,2,3,4,7,8,9-	E1613B	pg/L	NE	NA	NA	3.65 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,4,7,8-	E1613B	pg/L	NE	NA	NA	1.57 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,4,7,8-	E1613B	pg/L	NE	NA	NA	3.95 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,6,7,8-	E1613B	pg/L	NE	NA	NA	1.6 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,6,7,8-	E1613B	pg/L	NE	NA	NA	3.59 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 1,2,3,7,8,9-	E1613B	pg/L	NE	NA	NA	2.3 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8,9-	E1613B	pg/L	NE	NA	NA	3.77 U
SIB-SW-WR34[2]	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 1,2,3,7,8-	E1613B	pg/L	NE	NA	NA	1.95 U
SIB-SW-WR34[2]	PCDD/PCDFs	PENTACHLORODIBENZO-P-DIOXIN; 1,2,3,7,8-	E1613B	pg/L	NE	NA	NA	2.62 U
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN; 2,3,4,6,7,8-	E1613B	pg/L	NE	NA	NA	1.67 U
SIB-SW-WR34[2]	PCDD/PCDFs	PENTACHLORODIBENZOFURAN; 2,3,4,7,8-	E1613B	pg/L	NE	NA	NA	1.85 U
SIB-SW-WR34[2]	PCDD/PCDFs	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	E1613B	pg/L	NE	NA	NA	0.35
SIB-SW-WR34[2]	PCDD/PCDFs	TETRACHLORODIBENZOFURAN; 2,3,7,8-	E1613B	pg/L	NE	NA	NA	1.98 U
SIB-SW-WR34[2]	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN; 2,3,7,8-	E1613B	pg/L	NE	NA	NA	1.74 U
SIB-SW-WR34[2]	PCDD/PCDFs	Heptachlorodibenzo-P-Dioxin	E1613B	pg/L	NE	NA	NA	53.4 J
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZOFURAN	E1613B	pg/L	NE	NA	NA	3.67 J
SIB-SW-WR34[2]	PCDD/PCDFs	HEXACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	NA	NA	7.46 J
SIB-SW-WR34[2]	PCDD/PCDFs	OCTACHLORODIBENZOFURAN	E1613B	pg/L	NE	NA	NA	6.21 U

Table 3-7 (continued)
Non-City Outfalls - Stormwater Analytical Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location ID	Chemical Class	Chemical Name	Analysis Method	Sample Date		5/5/2022	10/21/2022	3/9/2023
				Unit	CUL	Result and Qualifier		
SIB-SW-WR34[2]	PCDD/PCDFs	OCTACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	NA	NA	135
SIB-SW-WR34[2]	PCDD/PCDFs	PENTACHLORO DIBENZOFURAN	E1613B	pg/L	NE	NA	NA	2.08 J
SIB-SW-WR34[2]	PCDD/PCDFs	PENTACHLORODIBENSO-P-DIOXIN	E1613B	pg/L	NE	NA	NA	2.62 U
SIB-SW-WR34[2]	PCDD/PCDFs	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	E1613B	pg/L	NE	NA	NA	1.98 U
SIB-SW-WR34[2]	PCDD/PCDFs	TETRACHLORODIBENZO-P-DIOXIN	E1613B	pg/L	NE	NA	NA	1.74 U
SIB-SW-WR34[2]	PCDD/PCDFs	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	E1613B	pg/L	NE	NA	NA	3.88
SIB-SW-WR34[2]	PCDD/PCDFs	TOTAL HpCDFs	E1613B	pg/L	NE	NA	NA	9.29 J
SIB-SW-WR34[2]	Calculated	TCDD; 2,3,7,8- TOXIC EQUIVALENT (TEQ), (ND=0.5)	CALC_TEQ	pg/L	0.00051	NA	NA	3.9 J
SIB-SW-WR34[2]	sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270D	µg/L	0.2	NA	0.13 U	3.2 J
SIB-SW-WR34[2]	sVOC	PENTACHLOROPHENOL	SW8270D	µg/L	0.03	NA	NA	3.5 U
SIB-SW-WR34[2]	TOC	DISSOLVED ORGANIC CARBON	A5310C	mg/L	NE	NA	54000	NA
SIB-SW-WR34[2]	TOC	TOTAL ORGANIC CARBON	SW9060	mg/L	NE	NA	66	5.8
SIB-SW-WR34[2]	Tributyltin	Tributyltin Hydride	ALS SOP	µg/L	NE	NA	0.012 U	0.013 U
SIB-SW-WR34[2]	TSS	TOTAL SUSPENDED SOLIDS	SM2540D	mg/L	NE	NA	5 U	23.5
SIB-SW-WR34[2]	VOCs	ETHYLBENZENE	SW8260C	µg/L	7.3	NA	0.05 U	NA

Notes:

[1] Outfall WR-253 was inadvertently identified as outfall WR-428 in field and laboratory documentation during sampling events

[2] Outfall WR-34 was inadvertently identified as outfall WR-30 in field and laboratory documentation during sampling events.

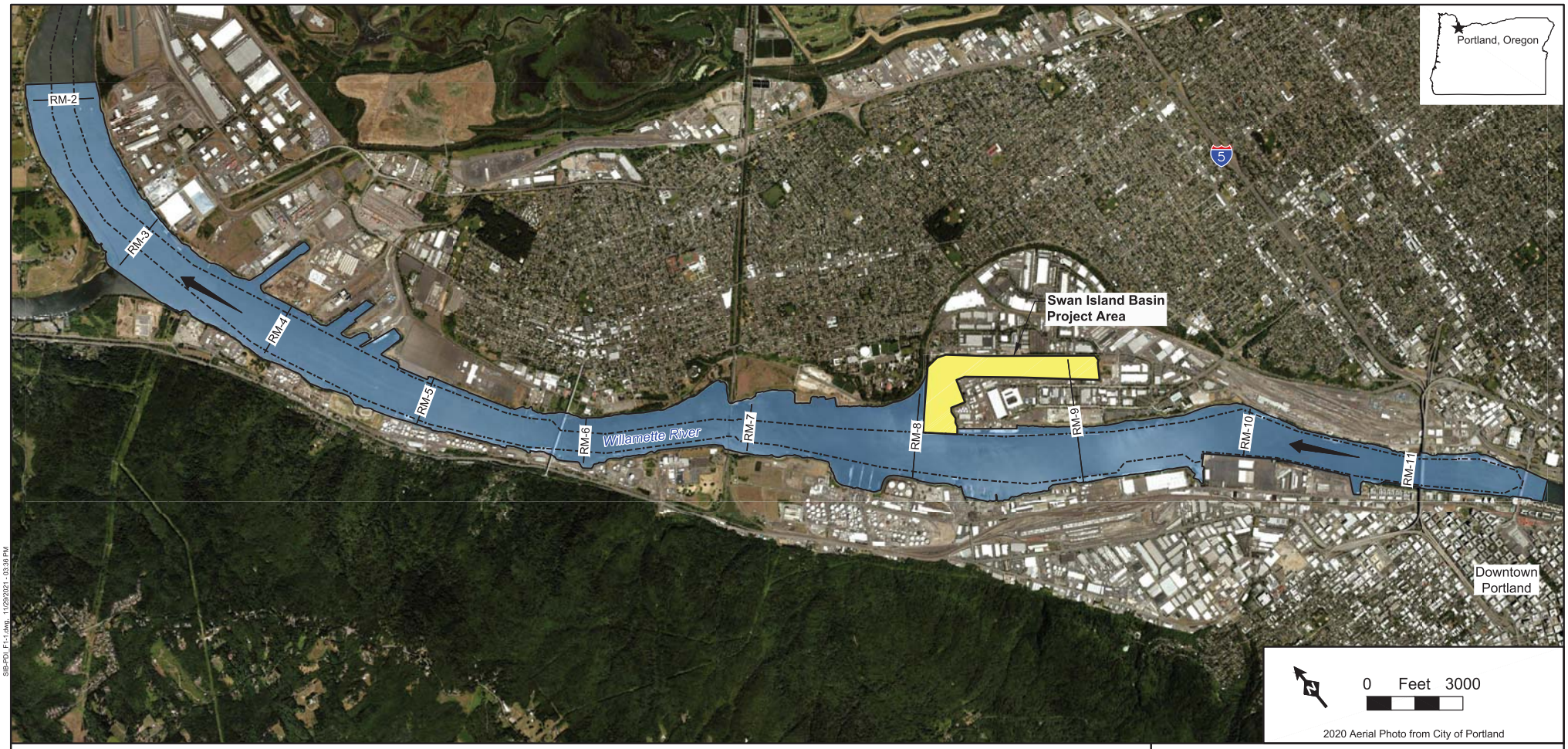
CUL Exceedance

MDL exceeds CUL

µg/L = micrograms per liter
mg/L = milligrams per liter
ng/L = nanograms per liter
pg/L = picograms per liter
BaPEq = benzo(a)pyrene equivalent
cPAH = carcinogenic polycyclic aromatic hydrocarbon
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
DDx = DDD + DDE + DDT
EPA = U.S. Environmental Protection Agency
J = estimated value
M = duplicate injection precision was not met
MCPP = methylchlorophenoxypropionic acid
NA = not available/not applicable
NE = none established
NS = not sampled
O/P = organochlorine pesticides
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyl
PCDD = polychlorinated dibenzofuran
PCDF = polychlorinated dibenzofuran
R = rejected value
SIM = selected ion monitoring
sVOC = semivolatile organic compound
TEQ = toxic equivalent
TOC = total organic carbon
TSS = total suspended solids
U = analyte not detected above laboratory reporting limit
VOC = volatile organic compound

FIGURES

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- Federal Navigation Channel (NOAA, 2016)
- River Flow Direction
- Swan Island Basin Project Area
- Portland Harbor Superfund Site Boundary (River Mile 1.9 to 11.8)

Notes:
NOAA - National Oceanic and Atmospheric Administration
RM - River Mile
SIB - Swan Island Basin

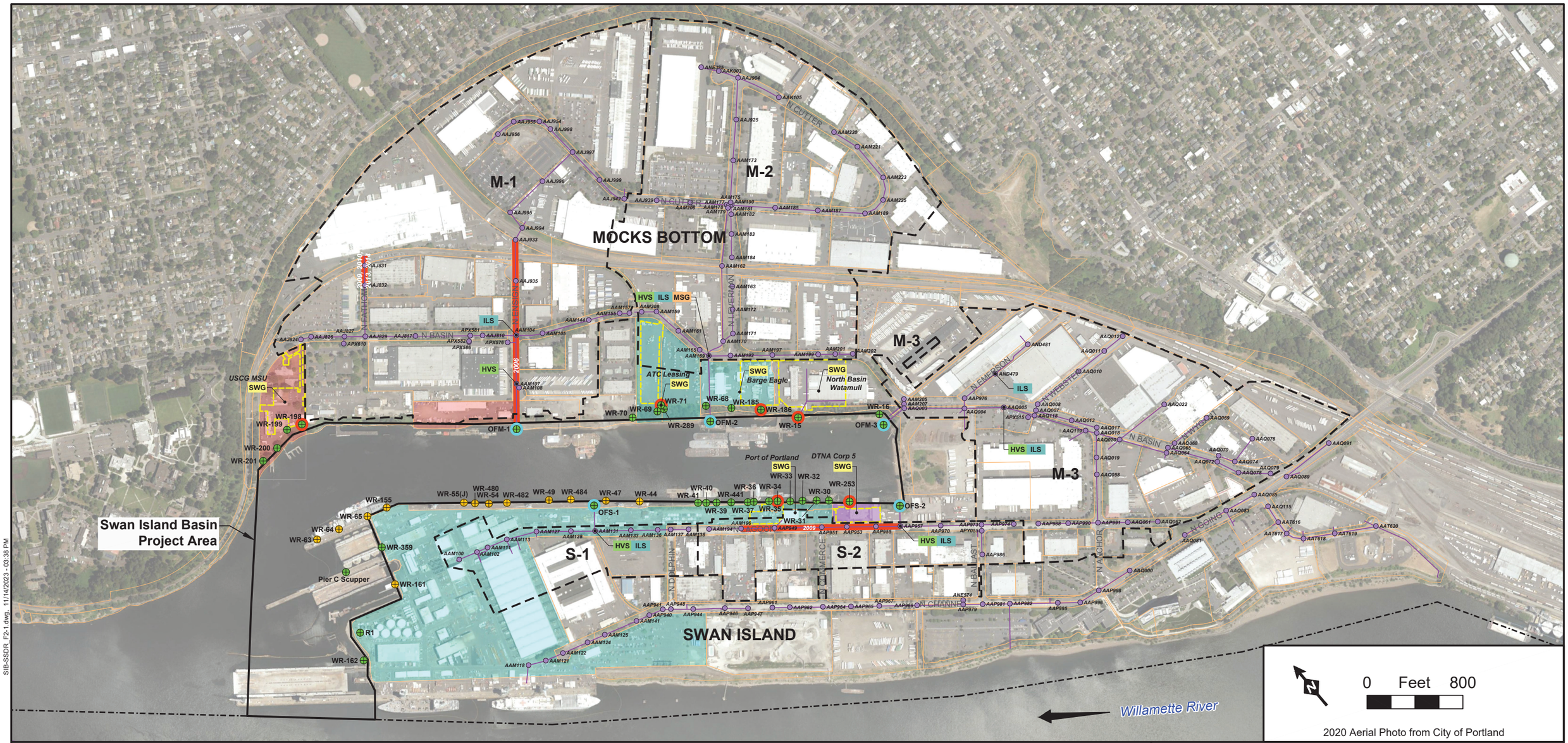
Source:
NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

Figure 1-1
SIB Project Area Location Map

Prepared on 8/2/2023

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
M MCCOY MACDONALD
BRIDGEWATER GROUP



SIB-SSDR_F2-1.dwg, 11/14/2023 - 03:38 PM

Stormwater Line
2006 Stormwater Line Cleaning
AAP951 Manhole
Tax Lot Boundary
Drainage Basin
Federal Navigation Channel (USACE 2020)
River Flow Direction

Sampling Methods

SWG Stormwater Grab
HVS High Volume Stormwater Sample
ILS In-Line Sediment
MSG Manual Sediment Grab

Outfalls

Active
Inactive, Overflow Only
Active - City of Portland Municipal Outfalls (M-1, M-2, M-3, S-1 and S-2)
Sampled Active Non-City Outfall
Estimated drainage areas for smaller outfall included in stormwater sampling program

Notes:
EPA - U.S. Environmental Protection Agency
HVS - High Volume Sampling
NOAA - National Oceanic and Atmospheric Administration
NPDES - National Pollutant Discharge Elimination System
PDI - Pre-Design Investigation
USACE - U.S. Army Corps of Engineers

Stormwater Program

NPDES 1200 Z Permit
No Exposure Certification
Best Management Practices

Sources:
(1) City of Portland Bureau of Environmental Services
- Outfalls
- Drainage Basins
- Collection Lines
- Manholes

(2) Vigor Stormwater Program Staff
- Portland Shipyard Outfalls (August 30, 2023)

(3) Oregon Metro Regional Land Information System
- Tax Lots (July 23, 2020)

(4) NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

Figure 2-1
Stormwater and Stormwater Solids Sampling Locations

Prepared on 11/14/2023

Stormwater Sampling Data Report
Swan Island Basin Project Area

PACIFIC groundwater GROUP
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MOTT MACDONALD
BRIDGEWATER GROUP

Stormwater HVS Event Conditions 05/05/22

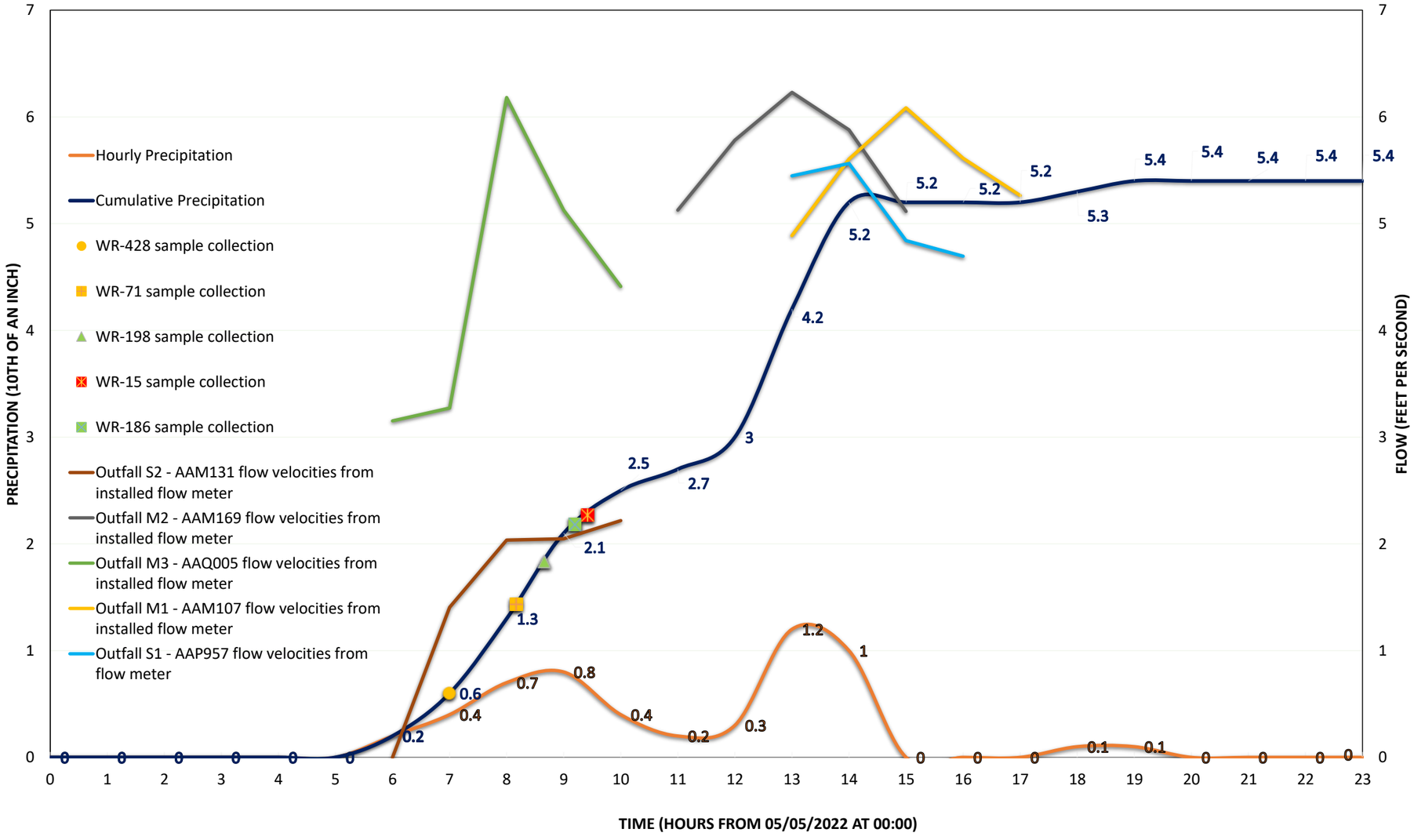


Figure 2-2a

Stormwater HVS Event Conditions - May 2022 Sampling Event

Prepared on: 3/8/2024
Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
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BRIDGEWATER GROUP

Stormwater HVS Event Conditions - 10/21/2022

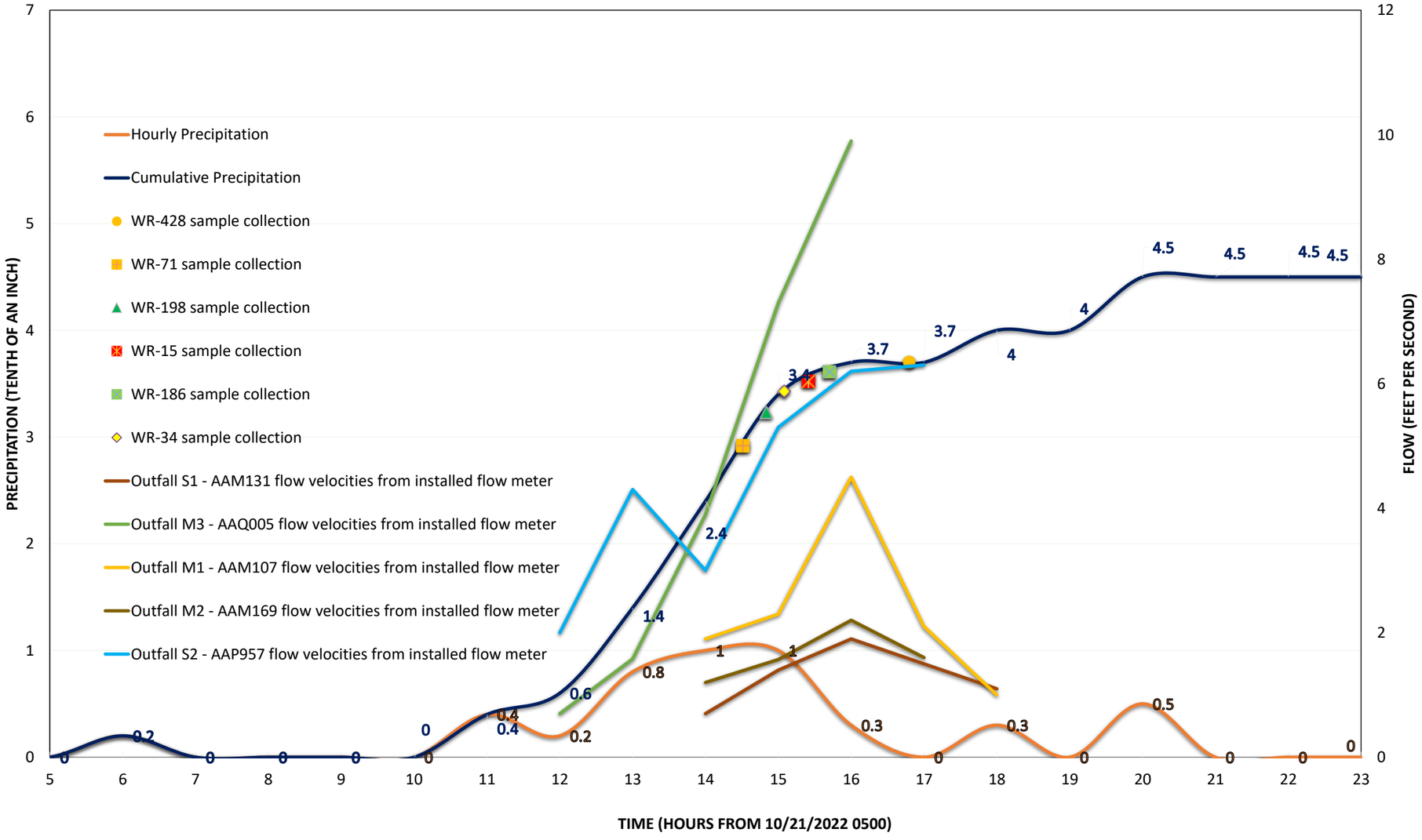


Figure 2-2b

Stormwater HVS Event Conditions - October 2022 Sampling Event

Prepared on: 3/8/2024
Stormwater Sampling Data Report
Swan Island Basin

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HGL MOTT MACDONALD
BRIDGEWATER GROUP

Stormwater HVS Event Conditions - 03/09/2023

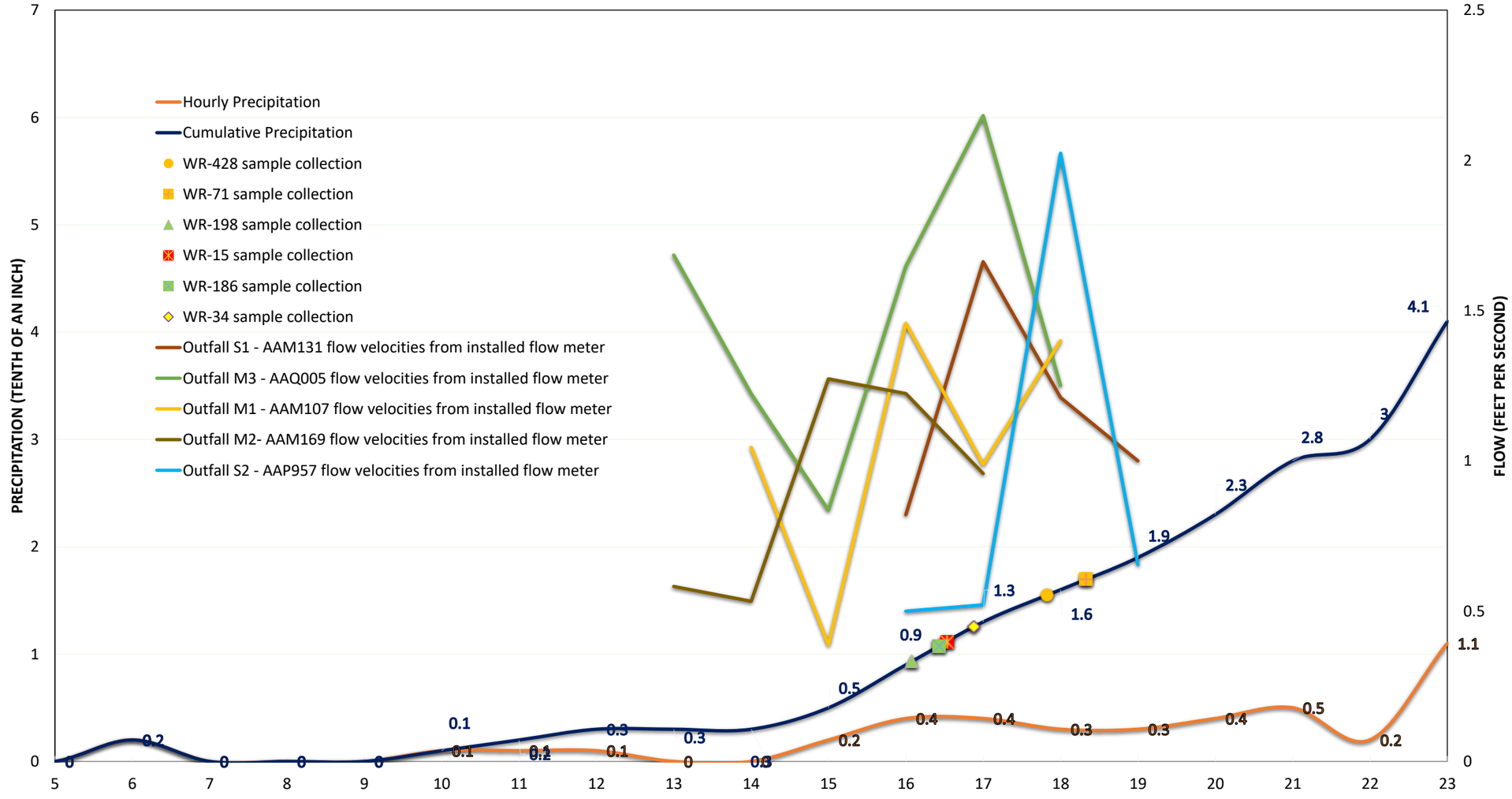


Figure 2-2c

Stormwater HVS Event Conditions - March 2023 Sampling Event

Prepared on: 3/8/2024
Stormwater Sampling Data Report
Swan Island Basin

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AAM104 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
TRIBUTYLTIN	µg/kg	1.6 U	7.5
2,3,7,8-TCDD eq	µg/kg	5 J	21.4 J
Total cPAH	µg/kg	NS	547
Total PAH	µg/kg	NS	4,610 J
Total PCB	µg/kg	69.5	47.5
HxCDF	µg/kg	2.00E-03 J	9.02E-03
PeCDD	µg/kg	1.00E-03 J	4.85E-03
PeCDF	µg/kg	1.00E-03 J	4.30E-03 J
TCDF	µg/kg	9.80E-04 J	1.90E-03 J
TCDD	µg/kg	2.60E-04 J	6.62E-04 J
BEHP	µg/kg	7,400	11,000
NAPHTHALENE	µg/kg	NS	26
TPH DIESEL	mg/kg	430 J	1,100
ARSENIC	mg/kg	30.8	11.5
CADMIUM	mg/kg	1.01	1.64
COPPER	mg/kg	78.7	118
LEAD	mg/kg	33.6	53.3
MERCURY	mg/kg	0.04 J	0.10 J
ZINC	mg/kg	629	849

AAM107 HVS Dissolved Phase Concentrations (µg/L, calculated)

Analyte	2,3,7,8-TCDD eq	Total PCBs
CUL	5.10E-10	6.4E-06
Sample Date		
5/5/2022	1.78E-08 J	1.14E-03 J
10/21/2022	1.15E-07 J	1.96E-04 J
3/9/2023	NA	NA

AAM107 HVS Centrifuged Sediments Concentrations (mg/kg)

Analyte	ARSENIC	CADMIUM	ZINC
CUL	3	0.51	459
Sample Date			
5/5/2022	1.61	0.084	83.8
10/21/2022	4.91	0.145	130
3/9/2023	18.2	0.96	1,430

AAM107 HVS Whole Water Concentrations (µg/L, calculated)

Analyte	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	2.2E-05	5.10E-07	6.4E-06
Sample Date			
5/5/2022	2.84E-05	2.10E-07	1.58E-03
10/21/2022	7.33E-05	2.24E-07	3.38E-04
3/9/2023	NA	1.92E-08	1.18E-04

AAM107 HVS Particulate Phase Concentrations (µg/kg, calculated)

Analyte	Dieldrin	DDx	Total PCBs	PeCDD	PeCDF	HxCDF	TCDD	2,3,7,8-TCDD eq
CUL/RAL/PTW	0.07/--/--	6.1/160/7,050	9/75/200	2E-04/8E-04/0.01	3E-04/0.2/0.2	4E-04/--/0.04	2E-04/1E-03/0.01	0.01/--/--
Sample Date								
5/5/2022	1.03 U	9.16 J	87.4 J	0.01 J	5.43E-03 J	0.012 J	3.63E-03 U	0.04 J
10/21/2022	0.08 UJ	1.87 J	2.79 J	4.50E-04 J	2.87E-04 J	4.10E-04 J	4.06E-04 U	2.14E-03 J
3/9/2023	0.15 UJ	0.46 J	3.59 J	2.27E-04 U	1.92E-04 U	1.70E-04 U	2.75E-04 U	5.80E-04 J

AAM107 HVS Bulk Water Concentrations (µg/L)

Analyte	ARSENIC	BENZO(A)ANTHRACENE	COPPER	cPAH	ZINC
CUL	0.018	1.20E-03	2.74	1.2E-04	36.5
Sample Date					
5/5/2022	0.513	3.40E-04 UJ	3.47	4.50E-04 U	23.5
10/21/2022	0.8	1.10E-03 U	10.8	1.50E-03 U	106
3/9/2023	0.57	3.40E-03 J	3.54	4.60E-03 J	54.8

M-1
AAM104
AAM107
M-1
Swan Island Basin
N BASIN AVE
N ENSIGN ST
N LEVERMAN ST
Berth 311
0 Feet 1,000
2021 Aerial Photo from City of Portland

Manhole Stormwater Sample Location
City of Portland Stormwater Outfall
Stormwater Line
Outfall Basin M-1

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

DRY = Dry season in-line sediment samples collected between May 2022 and November 2022
WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

Notes:
Sample results are listed by the sample date.

µg/L - micrograms per liter
µg/kg - micrograms per kilogram
BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
COC - contaminants of concern
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
K - estimated maximum possible concentration
MDL - method detection limit
mg/kg - milligrams per kilogram
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran
TPH - total petroleum hydrocarbons
U - analyte not detected

Figure 3-1a

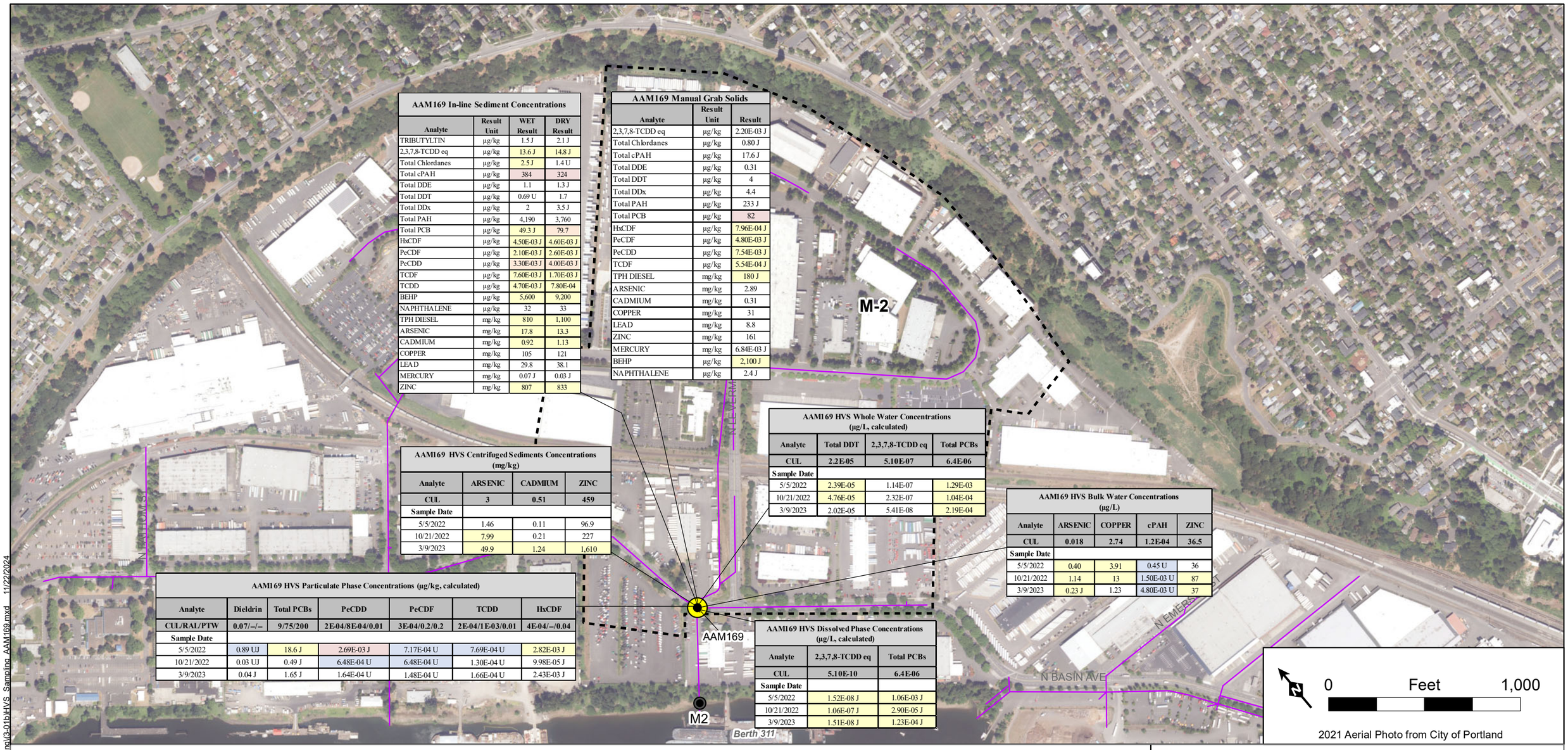
City Outfall Basin M-1 ROD COC Detections

Prepared on 11/22/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

\\srv-gst-011\HGL GIS\Portland_Harbor_DT2002\SI\Stormwater_Sampling\3-01a\HVS_Sampling_AAM107.mxd 11/22/2024



AAM169 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
TRIBUTYLTIN	µg/kg	1.5 J	2.1 J
2,3,7,8-TCDD eq	µg/kg	13.6 J	14.8 J
Total Chlordanes	µg/kg	2.5 J	1.4 U
Total cPAH	µg/kg	384	324
Total DDE	µg/kg	1.1	1.3 J
Total DDT	µg/kg	0.69 U	1.7
Total DDx	µg/kg	2	3.5 J
Total PAH	µg/kg	4,190	3,760
Total PCB	µg/kg	49.3 J	79.7
HxCDF	µg/kg	4.50E-03 J	4.60E-03 J
PeCDF	µg/kg	2.10E-03 J	2.60E-03 J
PeCDD	µg/kg	3.30E-03 J	4.00E-03 J
TCDF	µg/kg	7.60E-03 J	1.70E-03 J
TCDD	µg/kg	4.70E-03 J	7.80E-04
BEHP	µg/kg	5,600	9,200
NAPHTHALENE	µg/kg	32	33
TPH DIESEL	mg/kg	810	1,100
ARSENIC	mg/kg	17.8	13.3
CADMIUM	mg/kg	0.92	1.13
COPPER	mg/kg	105	121
LEAD	mg/kg	29.8	38.1
MERCURY	mg/kg	0.07 J	0.03 J
ZINC	mg/kg	807	833

AAM169 Manual Grab Solids

Analyte	Result Unit	Result
2,3,7,8-TCDD eq	µg/kg	2.20E-03 J
Total Chlordanes	µg/kg	0.80 J
Total cPAH	µg/kg	17.6 J
Total DDE	µg/kg	0.31
Total DDT	µg/kg	4
Total DDx	µg/kg	4.4
Total PAH	µg/kg	233 J
Total PCB	µg/kg	82
HxCDF	µg/kg	7.96E-04 J
PeCDF	µg/kg	4.80E-03 J
PeCDD	µg/kg	7.54E-03 J
TCDF	µg/kg	5.54E-04 J
TPH DIESEL	mg/kg	180 J
ARSENIC	mg/kg	2.89
CADMIUM	mg/kg	0.31
COPPER	mg/kg	31
LEAD	mg/kg	8.8
ZINC	mg/kg	161
MERCURY	mg/kg	6.84E-03 J
BEHP	µg/kg	2,100 J
NAPHTHALENE	µg/kg	2.4 J

AAM169 HVS Centrifuged Sediments Concentrations (mg/kg)

Analyte	ARSENIC	CADMIUM	ZINC
CUL	3	0.51	459
Sample Date			
5/5/2022	1.46	0.11	96.9
10/21/2022	7.99	0.21	227
3/9/2023	49.9	1.24	1,610

AAM169 HVS Whole Water Concentrations (µg/L, calculated)

Analyte	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	2.2E-05	5.10E-07	6.4E-06
Sample Date			
5/5/2022	2.39E-05	1.14E-07	1.29E-03
10/21/2022	4.76E-05	2.32E-07	1.04E-04
3/9/2023	2.02E-05	5.41E-08	2.19E-04

AAM169 HVS Bulk Water Concentrations (µg/L)

Analyte	ARSENIC	COPPER	cPAH	ZINC
CUL	0.018	2.74	1.2E-04	36.5
Sample Date				
5/5/2022	0.40	3.91	0.45 U	36
10/21/2022	1.14	13	1.50E-03 U	87
3/9/2023	0.23 J	1.23	4.80E-03 U	37

AAM169 HVS Particulate Phase Concentrations (µg/kg, calculated)

Analyte	Dieldrin	Total PCBs	PeCDD	PeCDF	TCDD	HxCDF
CUL/RAL/PTW	0.07/–/–	9/75/200	2E-04/8E-04/0.01	3E-04/0.2/0.2	2E-04/1E-03/0.01	4E-04/–/0.04
Sample Date						
5/5/2022	0.89 UJ	18.6 J	2.69E-03 J	7.17E-04 U	7.69E-04 U	2.82E-03 J
10/21/2022	0.03 UJ	0.49 J	6.48E-04 U	6.48E-04 U	1.30E-04 U	9.98E-05 J
3/9/2023	0.04 J	1.65 J	1.64E-04 U	1.48E-04 U	1.66E-04 U	2.43E-03 J

AAM169 HVS Dissolved Phase Concentrations (µg/L, calculated)

Analyte	2,3,7,8-TCDD eq	Total PCBs
CUL	5.10E-10	6.4E-06
Sample Date		
5/5/2022	1.52E-08 J	1.06E-03 J
10/21/2022	1.06E-07 J	2.90E-05 J
3/9/2023	1.51E-08 J	1.23E-04 J

Manhole Stormwater Sample Location

City of Portland Stormwater Outfall

Stormwater Line

Outfall Basin M-2

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

DRY = Dry season in-line sediment samples collected between May 2022 and November 2022
WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

Notes:
Sample results are listed by the sample date.

µg/kg - micrograms per kilogram
µg/L - micrograms per liter
BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
COC - contaminants of concern
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
K - estimated maximum possible concentration
MDL - method detection limit
mg/kg - milligrams per kilogram
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran
TPH - total petroleum hydrocarbons
U - analyte not detected

Figure 3-1b

City Outfall Basin M-2
ROD COC Detections

Prepared on 11/22/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MM MOTT MACDONALD
BRIDGEWATER GROUP

\\srv-gst-01\HGL\GIS\Portland_Harbor_DT2002\SIB\Stormwater_Sampling\3-01b\HVS_Sampling_AAM169.mxd 11/22/2024

AND479 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
2,3,7,8-TCDD eq	µg/kg	1.20E-02 J	1.40E-02 J
Total Chlordanes	µg/kg	5.6	3.3 J
Total DDE	µg/kg	0.79 J	0.84 J
Total DDT	µg/kg	0.54 U	1
Total DDx	µg/kg	1.5 J	2.2 J
Total PCB	µg/kg	200	430
HxCDF	µg/kg	5.49E-03 J	6.64E-04
PeCDF	µg/kg	2.35E-03 J	2.12E-03 J
PeCDD	µg/kg	2.32E-03	2.84E-03 J
TCDF	µg/kg	1.22E-04 J	8.06E-04 J
TCDD	µg/kg	5.02E-04 J	4.37E-04 J
ARSENIC	mg/kg	3.39	4.15
CADMIUM	mg/kg	0.97	1.03
COPPER	mg/kg	85	105
LEAD	mg/kg	85	123
ZINC	mg/kg	778	728
MERCURY	mg/kg	0.05 J	0.05 J

AAQ005 HVS Centrifuged Sediments Concentrations (mg/kg)

Analyte	ARSENIC	CADMIUM	MERCURY	ZINC
CUL	3	0.51	0.085	459
Sample Date				
5/5/2022	14	3	0.23	1,560
10/21/2022	2.41	0.27	0.02 J	175
3/9/2023	12	1.6	0.02 J	1,560

AAQ005 HVS Dissolved Phase Concentrations (µg/L, calculated)

Analyte	2,3,7,8-TCDD eq	Total PCBs
CUL	5.10E-10	6.4E-06
Sample Date		
5/5/2022	1.26E-08 J	5.51E-05 J
10/21/2022	1.11E-07 J	3.03E-05 J
3/9/2023	3.60E-08 J	1.20E-04 J

AAQ005 HVS Whole Water Concentrations (µg/L, calculated)

Analyte	Total DDE	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	1.8E-05	2.2E-05	5.10E-07	6.4E-06
Sample Date				
5/5/2022	3.28E-05	1.11E-04	2.44E-07	5.51E-04
10/21/2022	2.75E-05	8.78E-05	2.73E-07	2.84E-04
3/9/2023	1.61E-05	3.54E-05	1.55E-07	4.01E-04

AAQ005 HVS Bulk Water Concentrations (µg/L)

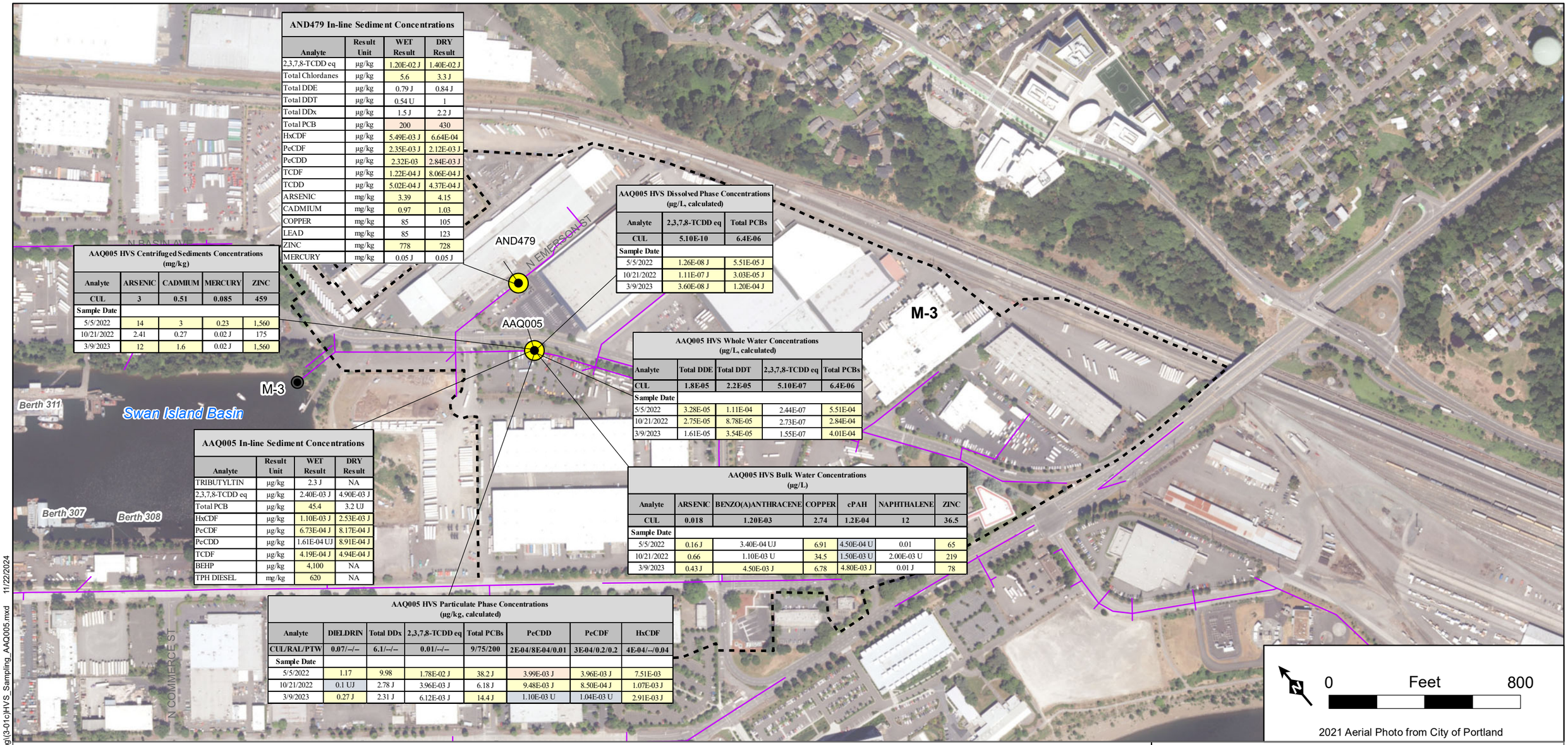
Analyte	ARSENIC	BENZO(A)ANTHRACENE	COPPER	cPAH	NAPHTHALENE	ZINC
CUL	0.018	1.20E-03	2.74	1.2E-04	12	36.5
Sample Date						
5/5/2022	0.16 J	3.40E-04 UJ	6.91	4.50E-04 U	0.01	65
10/21/2022	0.66	1.10E-03 U	34.5	1.50E-03 U	2.00E-03 U	219
3/9/2023	0.43 J	4.50E-03 J	6.78	4.80E-03 J	0.01 J	78

AAQ005 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
TRIBUTYLTIN	µg/kg	2.3 J	NA
2,3,7,8-TCDD eq	µg/kg	2.40E-03 J	4.90E-03 J
Total PCB	µg/kg	45.4	3.2 UJ
HxCDF	µg/kg	1.10E-03 J	2.53E-03 J
PeCDF	µg/kg	6.73E-04 J	8.17E-04 J
PeCDD	µg/kg	1.61E-04 UJ	8.91E-04 J
TCDF	µg/kg	4.19E-04 J	4.94E-04 J
BEHP	µg/kg	4,100	NA
TPH DIESEL	mg/kg	620	NA

AAQ005 HVS Particulate Phase Concentrations (µg/kg, calculated)

Analyte	DIELDRIN	Total DDx	2,3,7,8-TCDD eq	Total PCBs	PeCDD	PeCDF	HxCDF
CUL/RAL/PTW	0.07/--/--	6.1/--/--	0.01/--/--	9/75/200	2E-04/8E-04/0.01	3E-04/0.2/0.2	4E-04/--/0.04
Sample Date							
5/5/2022	1.17	9.98	1.78E-02 J	38.2 J	3.99E-03 J	3.96E-03 J	7.51E-03
10/21/2022	0.1 UJ	2.78 J	3.96E-03 J	6.18 J	9.48E-03 J	8.50E-04 J	1.07E-03 J
3/9/2023	0.27 J	2.31 J	6.12E-03 J	14.4 J	1.10E-03 U	1.04E-03 U	2.91E-03 J



Manhole Stormwater Sample Location

City of Portland Stormwater Outfall

Stormwater Line

Outfall Basin M-3

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

DRY = Dry season in-line sediment samples collected between May 2022 and November 2022
WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

Notes:
Sample results are listed by the sample date.

µg/kg - micrograms per kilogram
µg/L - micrograms per liter
BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
COC - contaminants of concern
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
MDL - method detection limit
mg/kg - milligrams per kilogram
NA - not analyzed
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran
TPH - total petroleum hydrocarbons
U - analyte not detected

Figure 3-1c

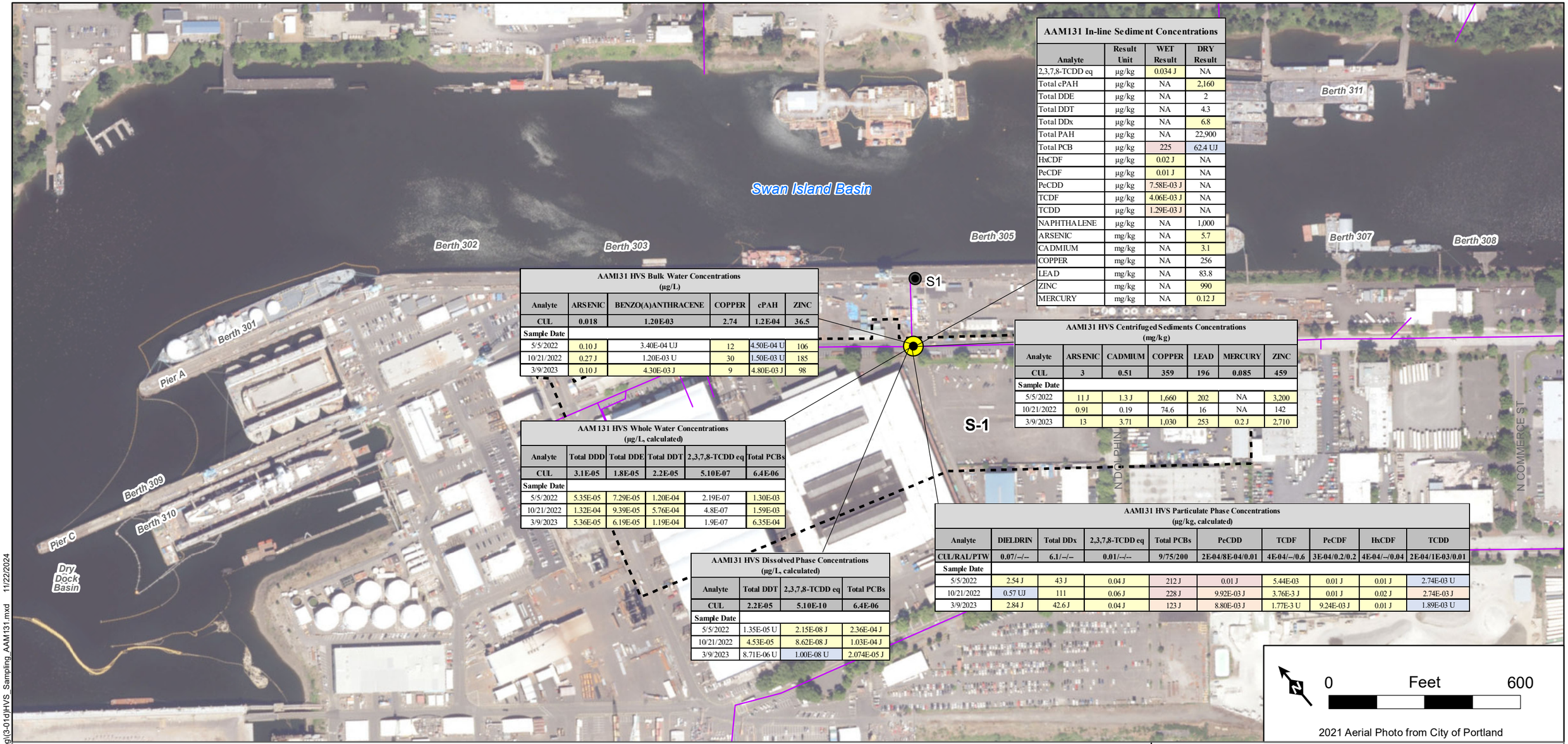
City Outfall Basin M-3 ROD COC Detections

Prepared on 11/22/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MM MOTT MACDONALD
BRIDGEWATER GROUP

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AAM131 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
2,3,7,8-TCDD eq	µg/kg	0.034 J	NA
Total cPAH	µg/kg	NA	2,160
Total DDE	µg/kg	NA	2
Total DDT	µg/kg	NA	4.3
Total DDx	µg/kg	NA	6.8
Total PAH	µg/kg	NA	22,900
Total PCB	µg/kg	225	62.4 UJ
HxCDF	µg/kg	0.02 J	NA
PeCDF	µg/kg	0.01 J	NA
PeCDD	µg/kg	7.58E-03 J	NA
TCDF	µg/kg	4.06E-03 J	NA
TCDD	µg/kg	1.29E-03 J	NA
NAPHTHALENE	µg/kg	NA	1,000
ARSENIC	mg/kg	NA	5.7
CADMIUM	mg/kg	NA	3.1
COPPER	mg/kg	NA	256
LEAD	mg/kg	NA	83.8
ZINC	mg/kg	NA	990
MERCURY	mg/kg	NA	0.12 J

AAM131 HVS Bulk Water Concentrations (µg/L)

Analyte	ARSENIC	BENZO(A)ANTHRACENE	COPPER	cPAH	ZINC
CUL	0.018	1.20E-03	2.74	1.2E-04	36.5
Sample Date					
5/5/2022	0.10 J	3.40E-04 UJ	12	4.50E-04 U	106
10/21/2022	0.27 J	1.20E-03 U	30	1.50E-03 U	185
3/9/2023	0.10 J	4.30E-03 J	9	4.80E-03 J	98

AAM131 HVS Centrifuged Sediments Concentrations (mg/kg)

Analyte	ARSENIC	CADMIUM	COPPER	LEAD	MERCURY	ZINC
CUL	3	0.51	359	196	0.085	459
Sample Date						
5/5/2022	11 J	1.3 J	1,660	202	NA	3,200
10/21/2022	0.91	0.19	74.6	16	NA	142
3/9/2023	13	3.71	1,030	253	0.2 J	2,710

AAM131 HVS Whole Water Concentrations (µg/L, calculated)

Analyte	Total DDD	Total DDE	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	3.1E-05	1.8E-05	2.2E-05	5.10E-07	6.4E-06
Sample Date					
5/5/2022	5.35E-05	7.29E-05	1.20E-04	2.19E-07	1.30E-03
10/21/2022	1.32E-04	9.39E-05	5.76E-04	4.8E-07	1.59E-03
3/9/2023	5.36E-05	6.19E-05	1.19E-04	1.9E-07	6.35E-04

AAM131 HVS Particulate Phase Concentrations (µg/kg, calculated)

Analyte	DIELDRIN	Total DDx	2,3,7,8-TCDD eq	Total PCBs	PeCDD	TCDF	PeCDF	HxCDF	TCDD
CUL/RAL/PTW	0.07/–/–	6.1/–/–	0.01/–/–	9/75/200	2E-04/8E-04/0.01	4E-04/–/0.6	3E-04/0.2/0.2	4E-04/–/0.04	2E-04/1E-03/0.01
Sample Date									
5/5/2022	2.54 J	43 J	0.04 J	212 J	0.01 J	5.44E-03	0.01 J	0.01 J	2.74E-03 U
10/21/2022	0.57 UJ	111	0.06 J	228 J	9.92E-03 J	3.76E-3 J	0.01 J	0.02 J	2.74E-03 J
3/9/2023	2.84 J	42.6 J	0.04 J	123 J	8.80E-03 J	1.77E-3 U	9.24E-03 J	0.01 J	1.89E-03 U

AAM131 HVS Dissolved Phase Concentrations (µg/L, calculated)

Analyte	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	2.2E-05	5.10E-10	6.4E-06
Sample Date			
5/5/2022	1.35E-05 U	2.15E-08 J	2.36E-04 J
10/21/2022	4.53E-05	8.62E-08 J	1.03E-04 J
3/9/2023	8.71E-06 U	1.00E-08 U	2.074E-05 J

0 Feet 600

2021 Aerial Photo from City of Portland

Manhole Stormwater Sample Location

City of Portland Stormwater Outfall

Stormwater Line

Outfall Basin S-1

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

DRY = Dry season in-line sediment samples collected between May 2022 and November 2022
WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

Notes:
Sample results are listed by the sample date.

µg/kg - micrograms per kilogram
µg/L - micrograms per liter
BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
COC - contaminants of concern
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
MDL - method detection limit
mg/kg - milligrams per kilogram
NA - not analyzed
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran
TPH - total petroleum hydrocarbons
U - analyte not detected

Figure 3-1d

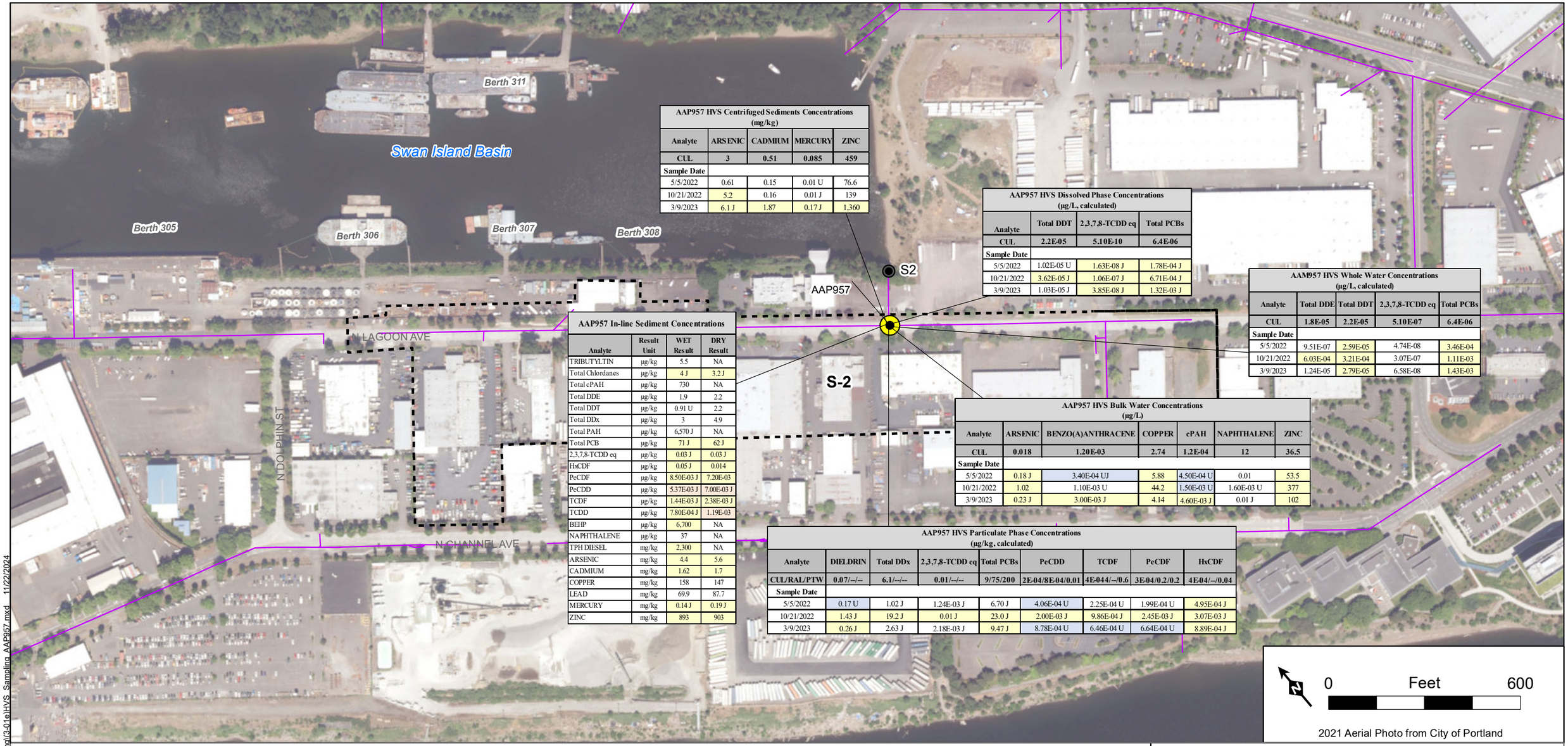
City Outfall Basin S-1
ROD COC Detections

Prepared on 11/22/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

\\srv-gst-01\HGL\GIS\Portland_Harbor_DT2002\SIB\Stormwater_Sampling\(3-01d)HVS_Sampling_AAM131.mxd 11/22/2024



AAP957 HVS Centrifuged Sediments Concentrations (mg/kg)

Analyte	ARSENIC	CADMIUM	MERCURY	ZINC
CUL	3	0.51	0.085	459
Sample Date				
5/5/2022	0.61	0.15	0.01 U	76.6
10/21/2022	5.2	0.16	0.01 J	139
3/9/2023	6.1 J	1.87	0.17 J	1,360

AAP957 HVS Dissolved Phase Concentrations (µg/L, calculated)

Analyte	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	2.2E-05	5.10E-10	6.4E-06
Sample Date			
5/5/2022	1.02E-05 U	1.63E-08 J	1.78E-04 J
10/21/2022	3.62E-05 J	1.06E-07 J	6.71E-04 J
3/9/2023	1.03E-05 J	3.85E-08 J	1.32E-03 J

AAM957 HVS Whole Water Concentrations (µg/L, calculated)

Analyte	Total DDE	Total DDT	2,3,7,8-TCDD eq	Total PCBs
CUL	1.8E-05	2.2E-05	5.10E-07	6.4E-06
Sample Date				
5/5/2022	9.51E-07	2.59E-05	4.74E-08	3.46E-04
10/21/2022	6.03E-04	3.21E-04	3.07E-07	1.11E-03
3/9/2023	1.24E-05	2.79E-05	6.58E-08	1.43E-03

AAP957 In-line Sediment Concentrations

Analyte	Result Unit	WET Result	DRY Result
TRIBUTYLTIN	µg/kg	5.5	NA
Total Chlordanes	µg/kg	4 J	3.2 J
Total cPAH	µg/kg	730	NA
Total DDE	µg/kg	1.9	2.2
Total DDT	µg/kg	0.91 U	2.2
Total DDx	µg/kg	3	4.9
Total PAH	µg/kg	6,570 J	NA
Total PCB	µg/kg	71 J	62 J
2,3,7,8-TCDD eq	µg/kg	0.03 J	0.03 J
HxCDF	µg/kg	0.05 J	0.014
PeCDF	µg/kg	8.50E-03 J	7.20E-03
PeCDD	µg/kg	5.37E-03 J	7.00E-03 J
TCDF	µg/kg	1.44E-03 J	2.38E-03 J
TCDD	µg/kg	7.80E-04 J	1.19E-03
BEHP	µg/kg	6,700	NA
NAPHTHALENE	µg/kg	37	NA
TPH DIESEL	mg/kg	2,300	NA
ARSENIC	mg/kg	4.4	5.6
CADMIUM	mg/kg	1.62	1.7
COPPER	mg/kg	158	147
LEAD	mg/kg	69.9	87.7
MERCURY	mg/kg	0.14 J	0.19 J
ZINC	mg/kg	893	903

AAP957 HVS Bulk Water Concentrations (µg/L)

Analyte	ARSENIC	BENZO(A)ANTHRACENE	COPPER	cPAH	NAPHTHALENE	ZINC
CUL	0.018	1.20E-03	2.74	1.2E-04	12	36.5
Sample Date						
5/5/2022	0.18 J	3.40E-04 UJ	5.88	4.50E-04 U	0.01	53.5
10/21/2022	1.02	1.10E-03 U	44.2	1.50E-03 U	1.60E-03 U	377
3/9/2023	0.23 J	3.00E-03 J	4.14	4.60E-03 J	0.01 J	102

AAP957 HVS Particulate Phase Concentrations (µg/kg, calculated)

Analyte	DIELDRIN	Total DDx	2,3,7,8-TCDD eq	Total PCBs	PeCDD	TCDF	PeCDF	HxCDF
CUL/RAL/PTW	0.07/--/--	6.1/--/--	0.01/--/--	9/75/200	2E-04/8E-04/0.01	4E-044/--/0.6	3E-04/0.2/0.2	4E-04/--/0.04
Sample Date								
5/5/2022	0.17 U	1.02 J	1.24E-03 J	6.70 J	4.06E-04 U	2.25E-04 U	1.99E-04 U	4.95E-04 J
10/21/2022	1.43 J	19.2 J	0.01 J	23.0 J	2.00E-03 J	9.86E-04 J	2.45E-03 J	3.07E-03 J
3/9/2023	0.26 J	2.63 J	2.18E-03 J	9.47 J	8.78E-04 U	6.46E-04 U	6.64E-04 U	8.89E-04 J

0 Feet 600

2021 Aerial Photo from City of Portland

Manhole Stormwater Sample Location

City of Portland Stormwater Outfall

Stormwater Line

Outfall Basin S-2

CUL Exceedance
RAL/PQL Exceedance
PTW Exceedance
MDL exceeds CUL

DRY = Dry season in-line sediment samples collected between May 2022 and November 2022
WET = Wet season in-line sediment samples were collected between January and May 2022 and November 2022 and June 2023

Notes:
Sample results are listed by the sample date.

µg/kg - micrograms per kilogram
µg/L - micrograms per liter
BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
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CUL - cleanup level
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DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
MDL - method detection limit
mg/kg - milligrams per kilogram
NA - not analyzed
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran
TPH - total petroleum hydrocarbons
U - analyte not detected

Figure 3-1e

City Outfall Basin S-2 ROD COC Detections

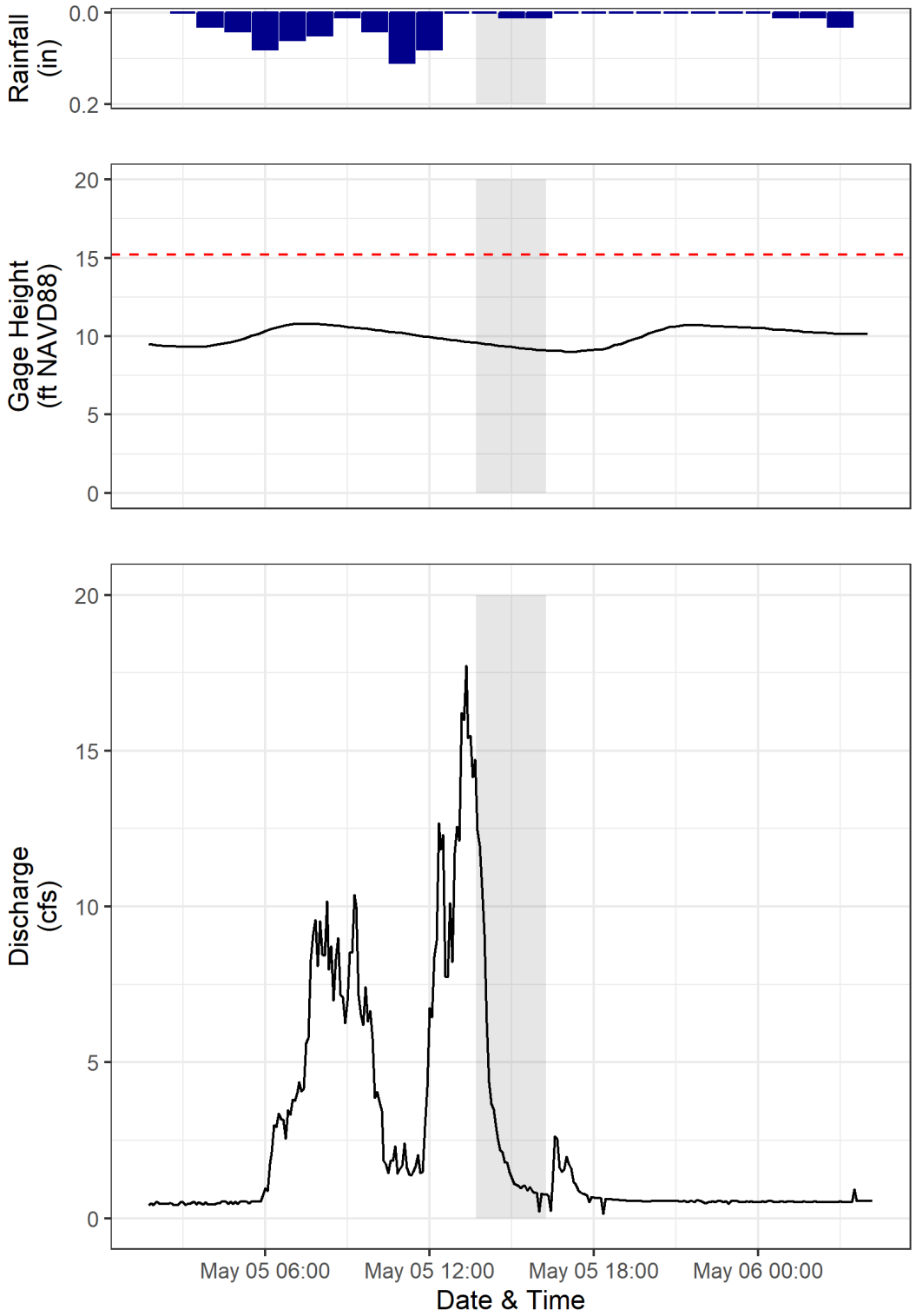
Prepared on 11/22/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL MM MCTT MACDONALD
BRIDGEWATER GROUP

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Precipitation data from Shipyard Rain Gage:
or.water.usgs.gov/non-usgs/bes/shipyard.rain



Gage Height (ft NAVD88) =
From river gage installed in Swan Island Basin
Elevation survey = 14.97 ft City of Portland datum + 2.10 = 17.07 NAVD88
Hobo sensor = 12.0 ft below survey point
Hobo elevation in ft NAVD 88 = 17.07 – 12 = 5.07

Elevation of flow sensor =
invert elevation of sample points in Table 2-2

Discharge (cfs) = discharge in cubic feet per second calculated from water depth and velocity measurements using Stingray Area-Velocity loggers. Measurements recorded every 5 minutes during High Volume Sampling events.

Notes:
cfs - cubic feet per second
in - inches
NAVD88 - North American Vertical Datum of 1988

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

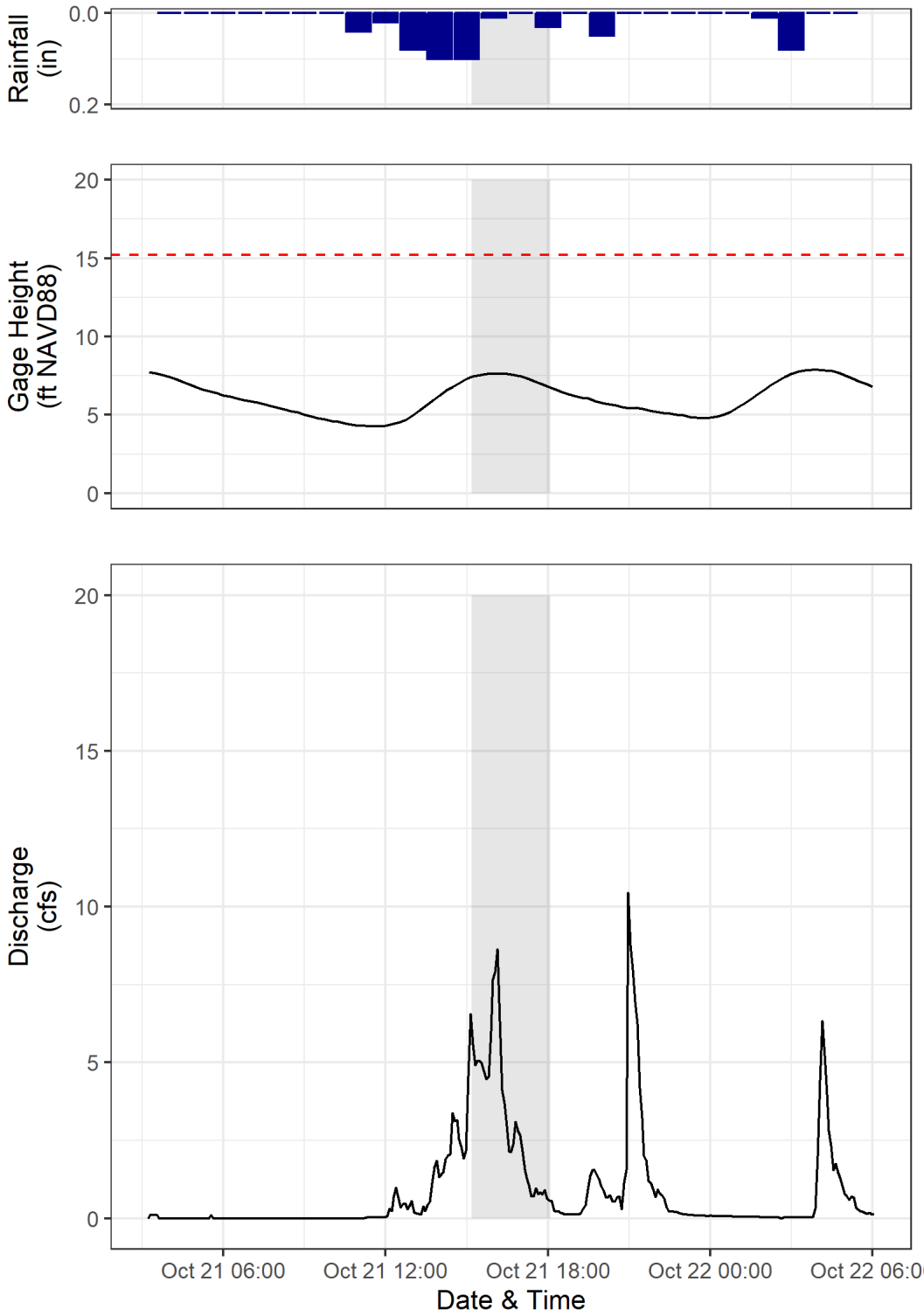
Figure 3-2a
M-1 Hydrograph
Event 1
05/05/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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Precipitation data from Shipyard Rain Gage:
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Notes:
cfs - cubic feet per second
in - inches
NAVD88 - North American Vertical Datum of 1988

PACIFIC groundwater GROUP
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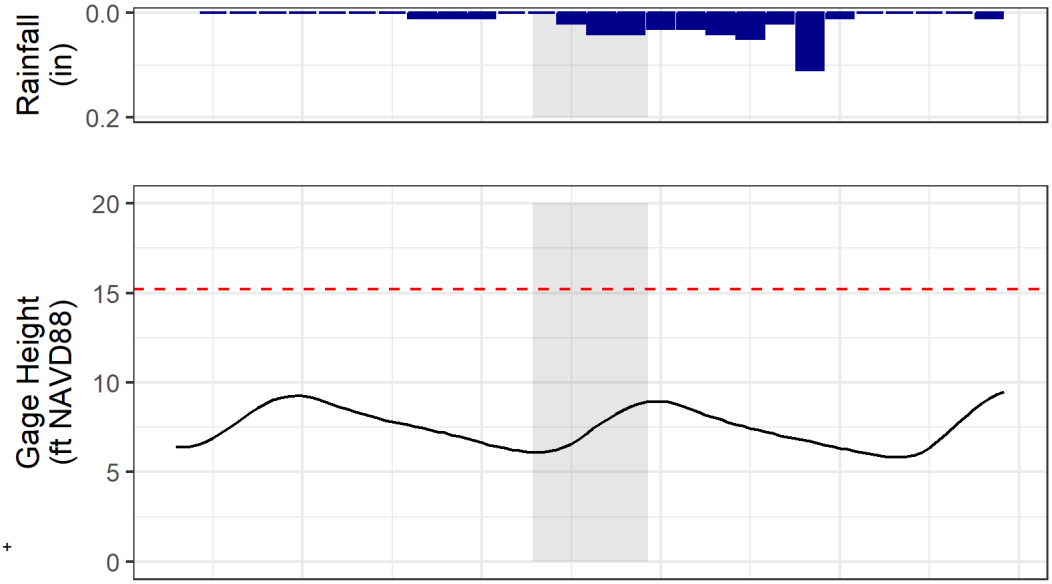
Figure 3-2b
M-1 Hydrograph
Event 2
10/21/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

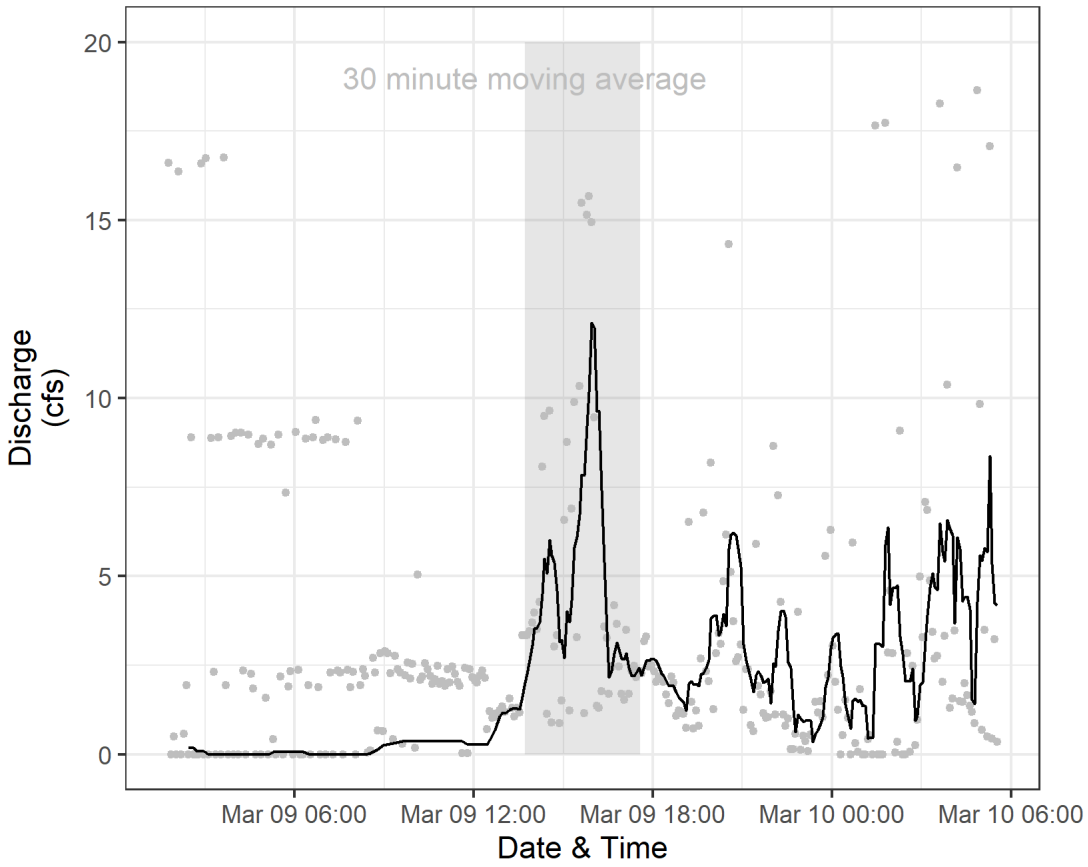
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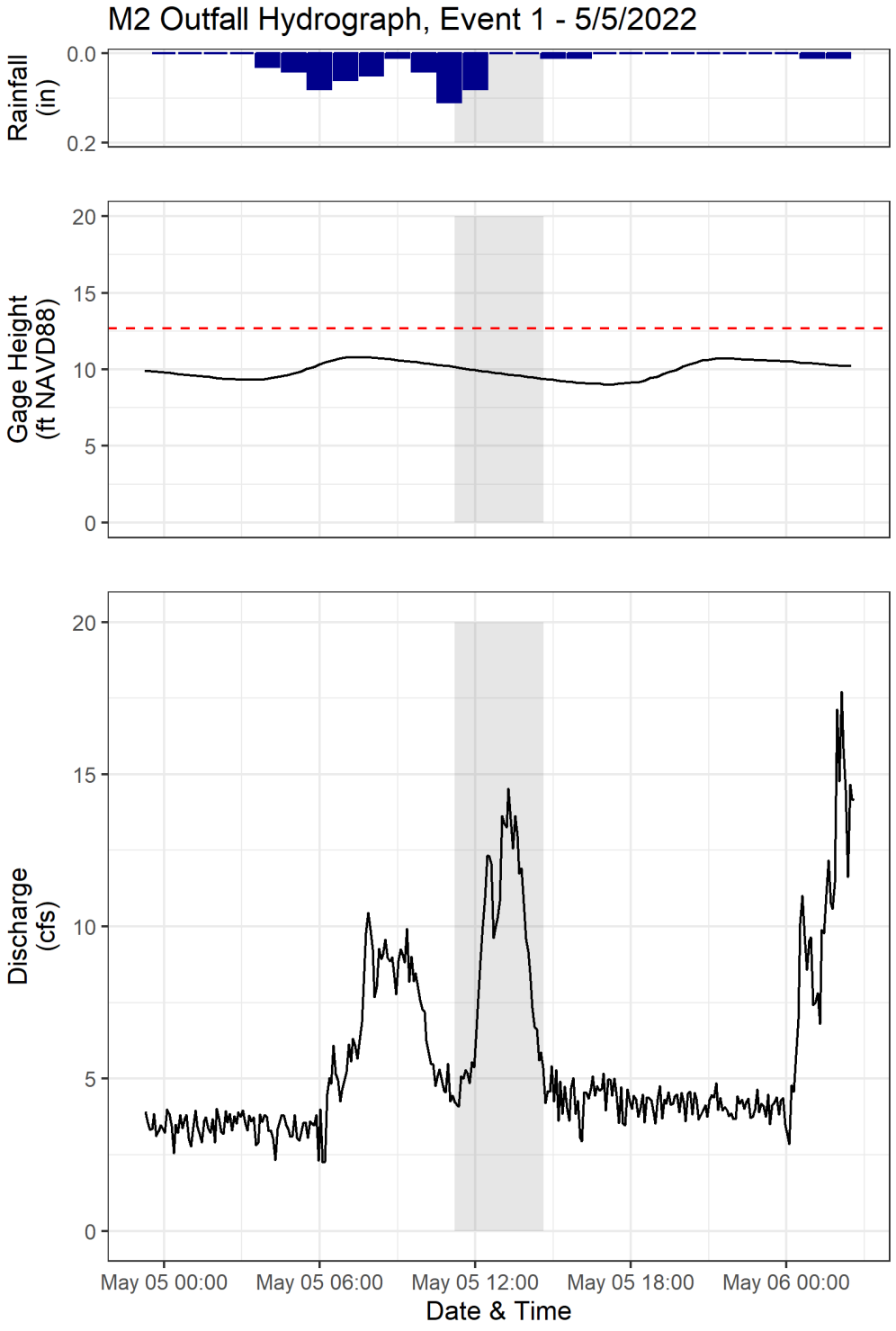
Figure 3-2c
M-1 Hydrograph
Event 3
03/09/2023

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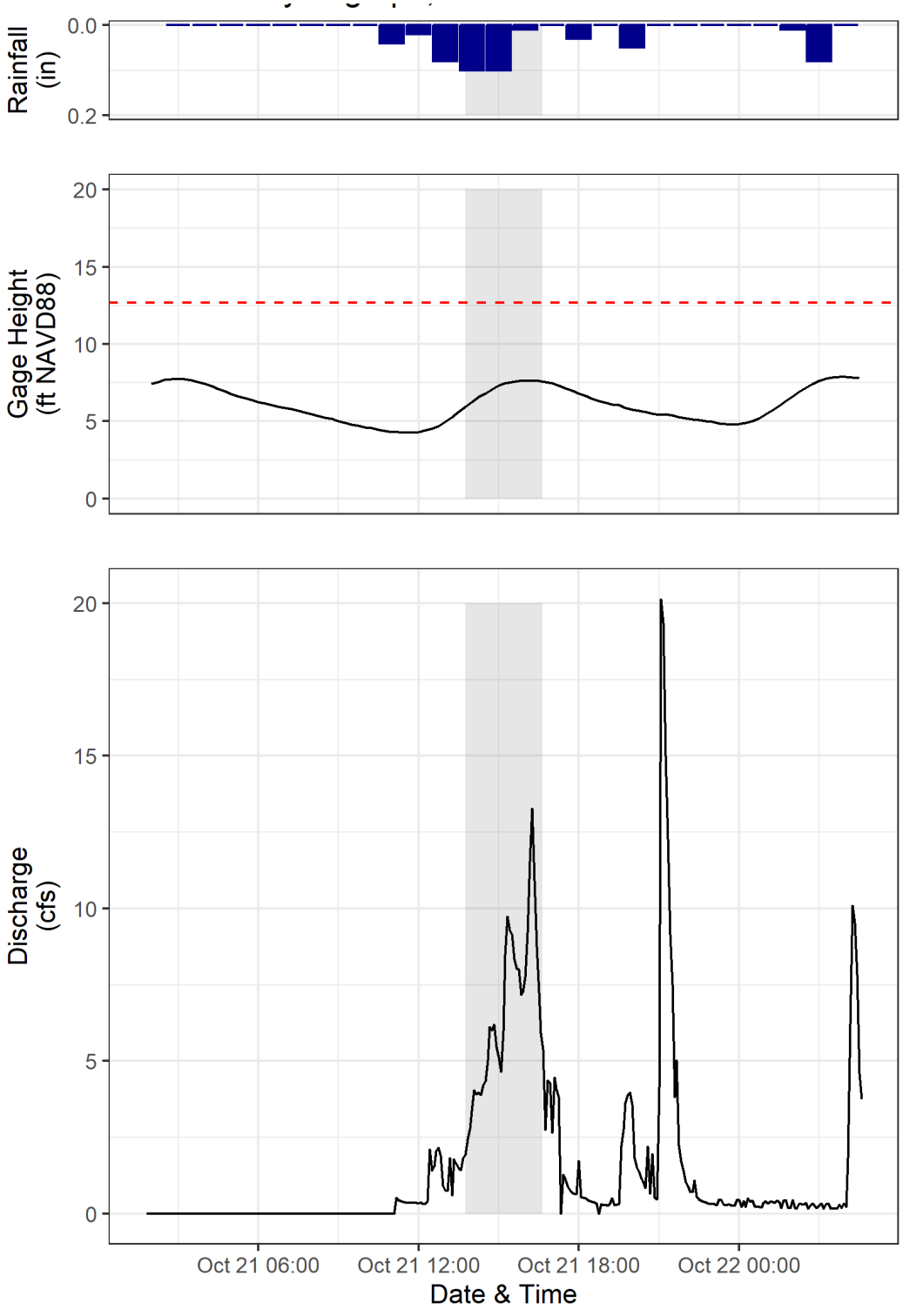
Figure 3-4a
M-2 Hydrograph
Event 1
05/05/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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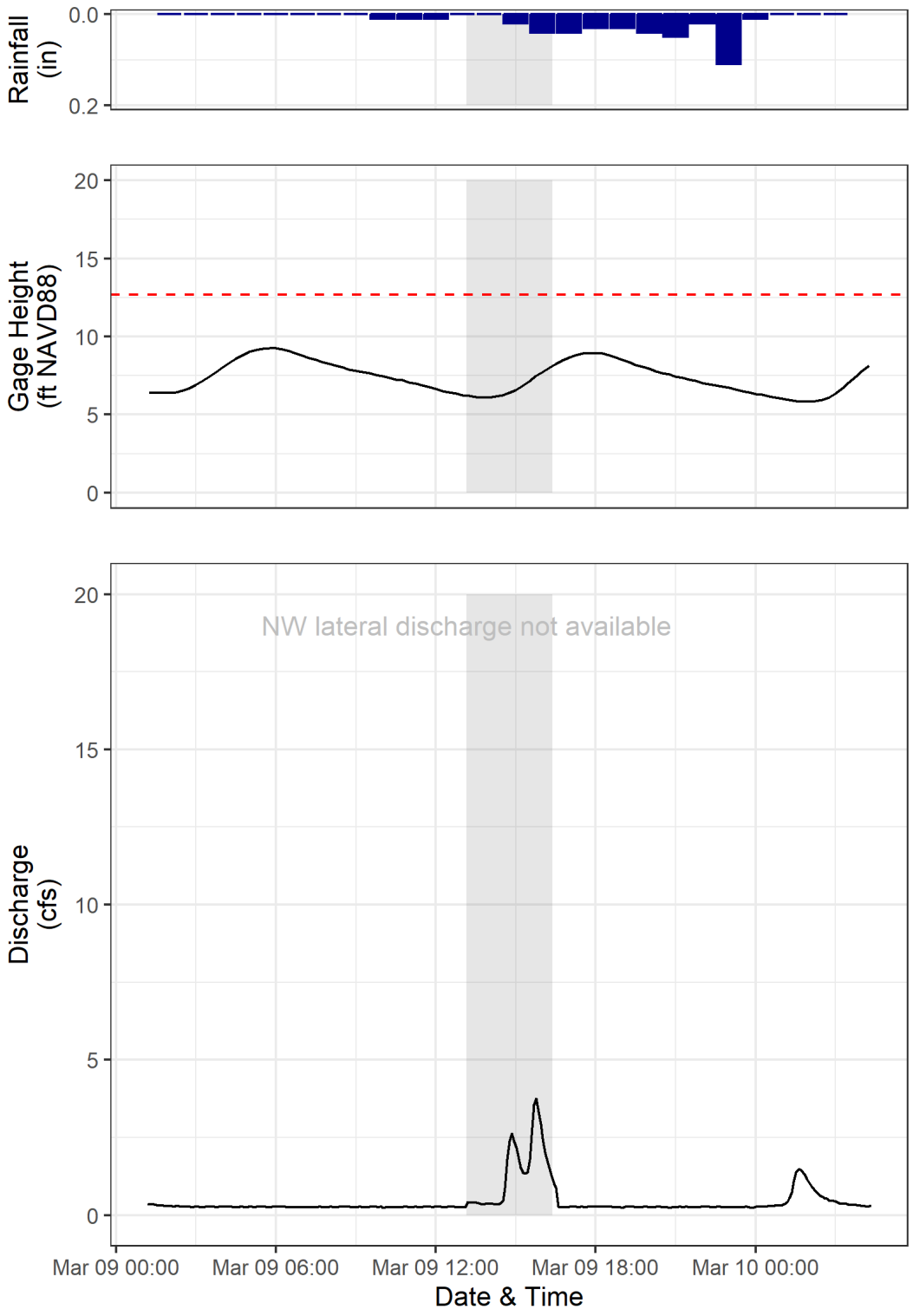
Figure 3-4b
M-2 Hydrograph
Event 2
10/21/2022

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Stormwater Sampling Data Report
Swan Island Basin

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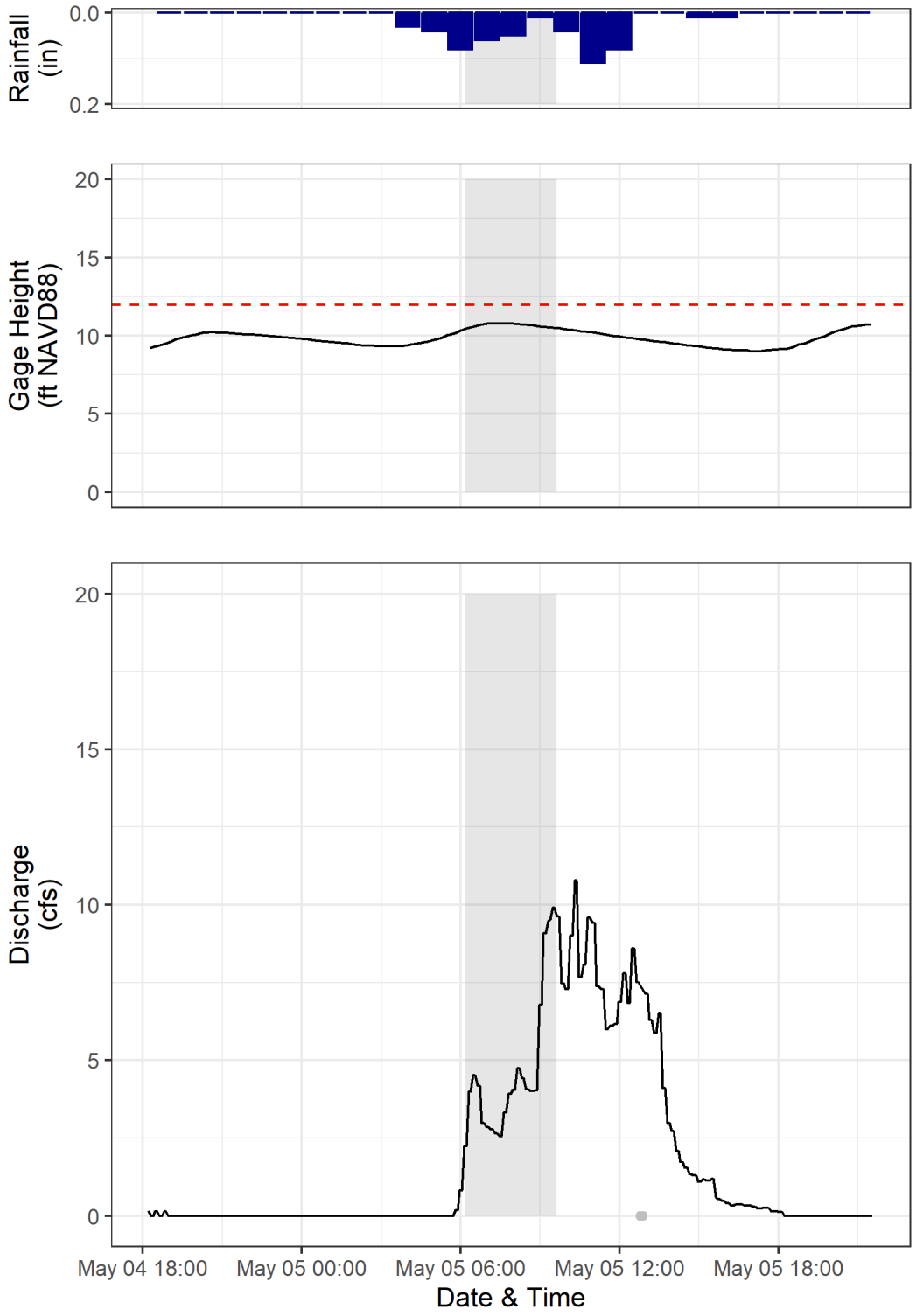
Figure 3-4c
M-2 Hydrograph
Event 3
03/09/2023

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Swan Island Basin

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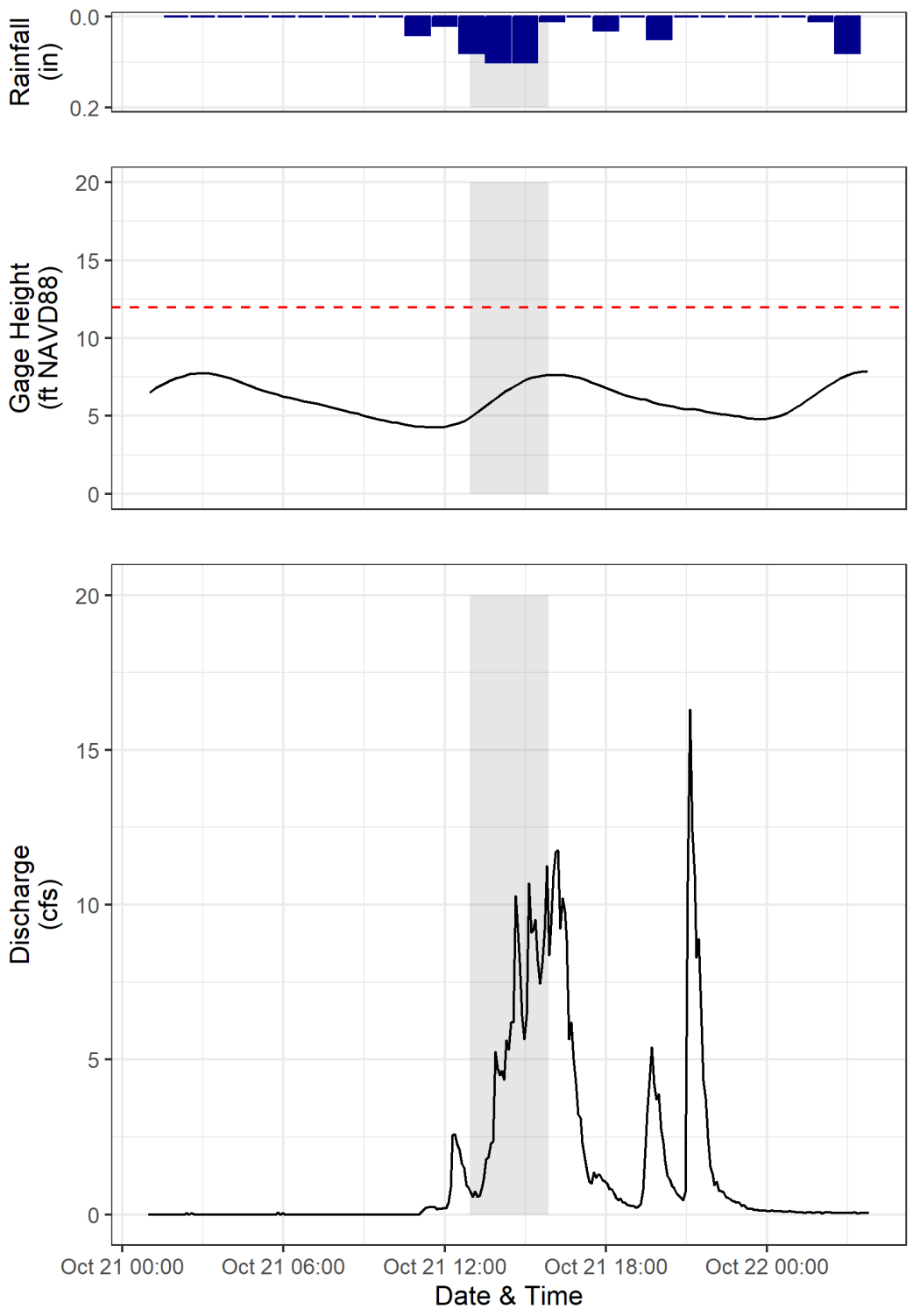
Figure 3-5a
M-3 Hydrograph
Event 1
05/05/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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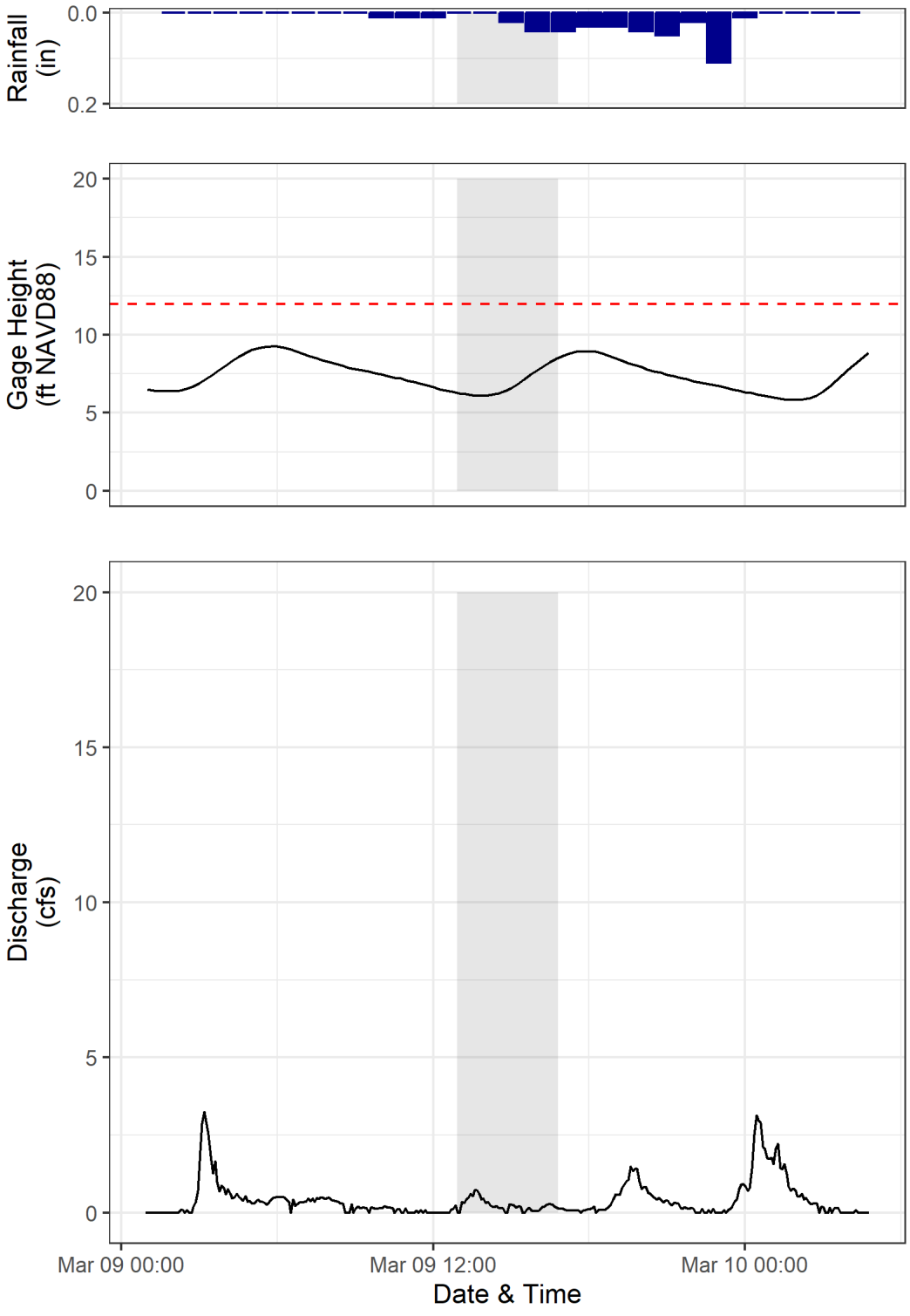
Figure 3-5b
M-3 Hydrograph
Event 2
10/21/2022

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Stormwater Sampling Data Report
Swan Island Basin

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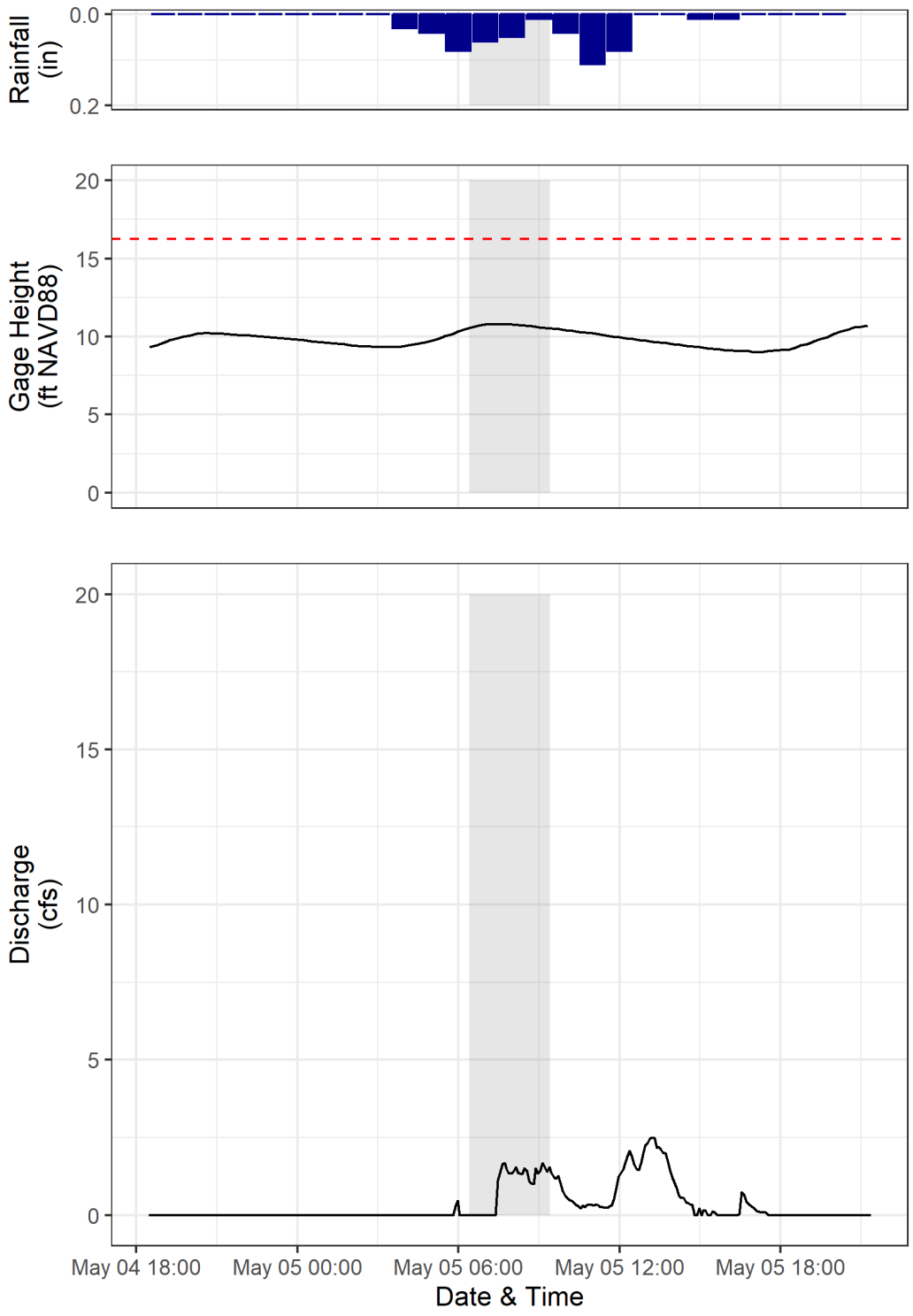
Figure 3-5c
M-3 Hydrograph
Event 3
03/09/2023

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Stormwater Sampling Data Report
Swan Island Basin

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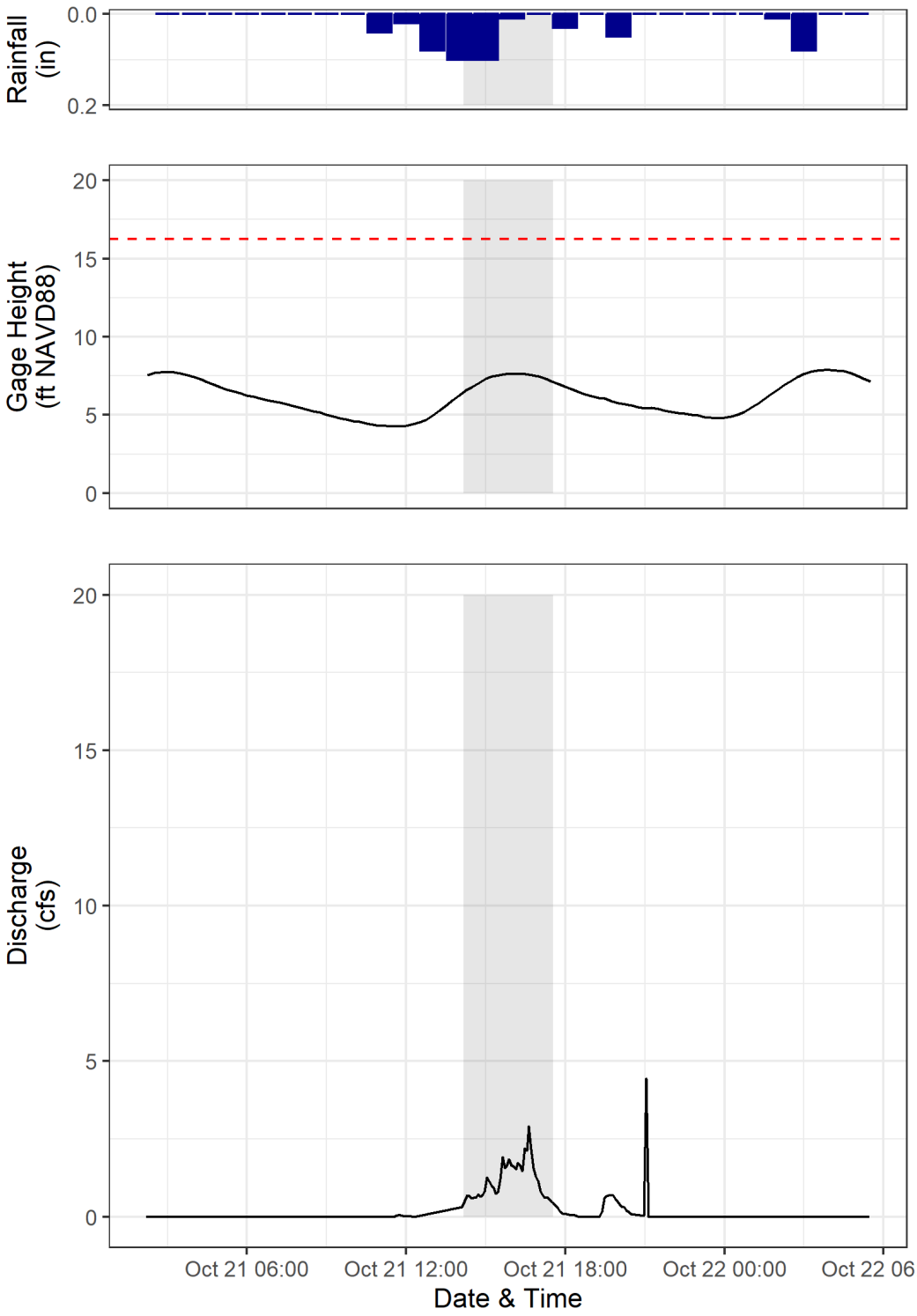
Figure 3-6a
S-1 Hydrograph
Event 1
05/05/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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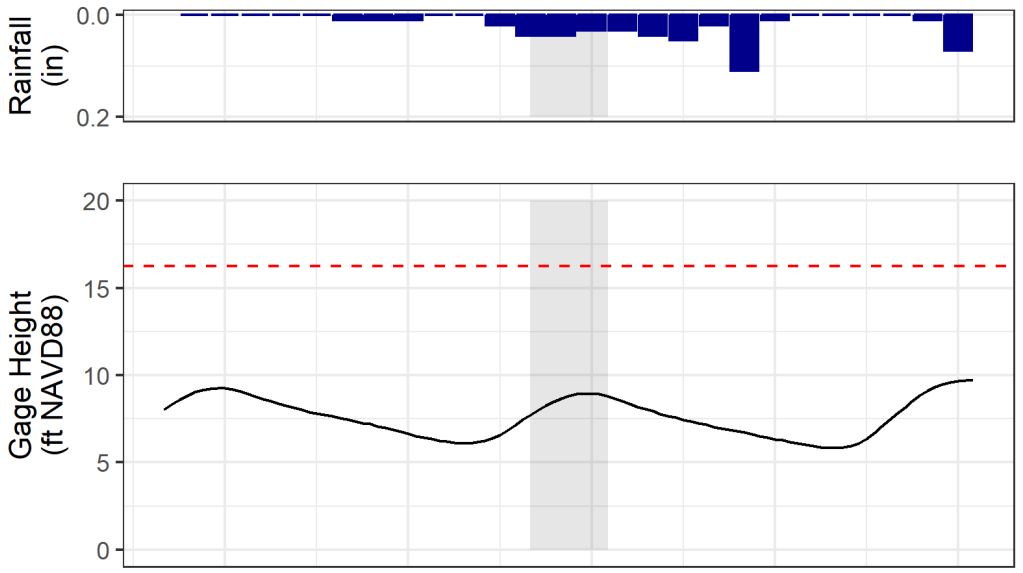
Figure 3-6b
S-1 Hydrograph
Event 2
10/21/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

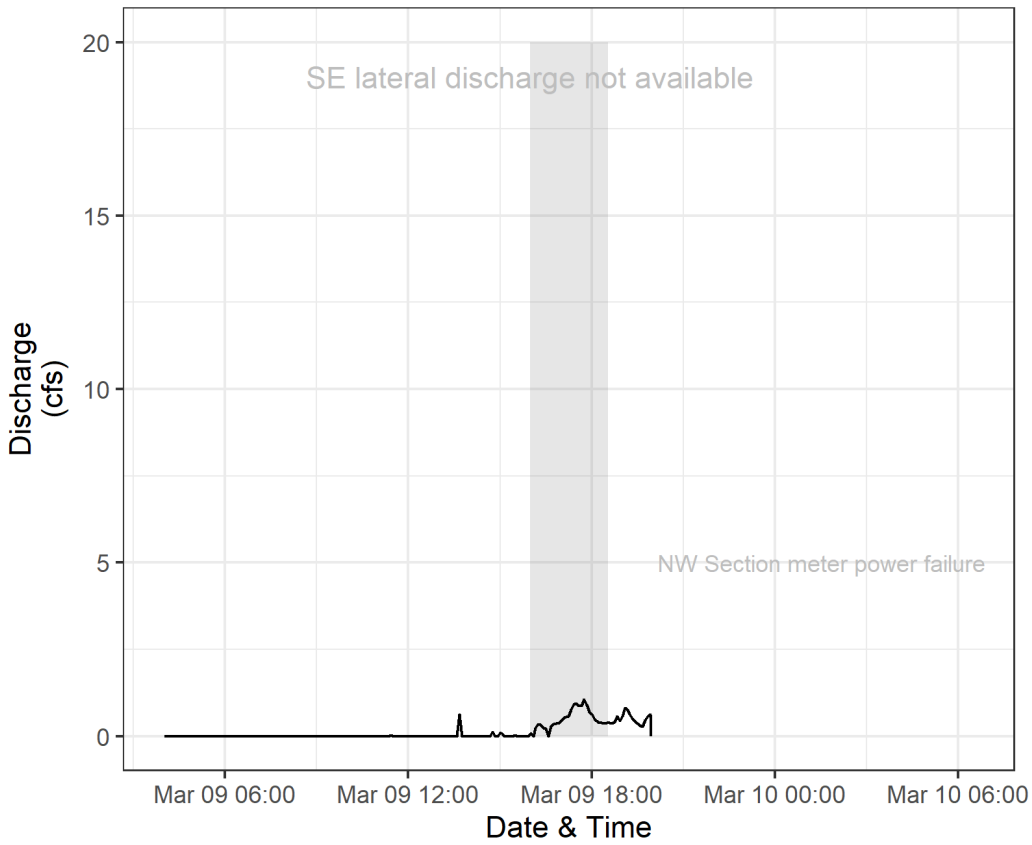
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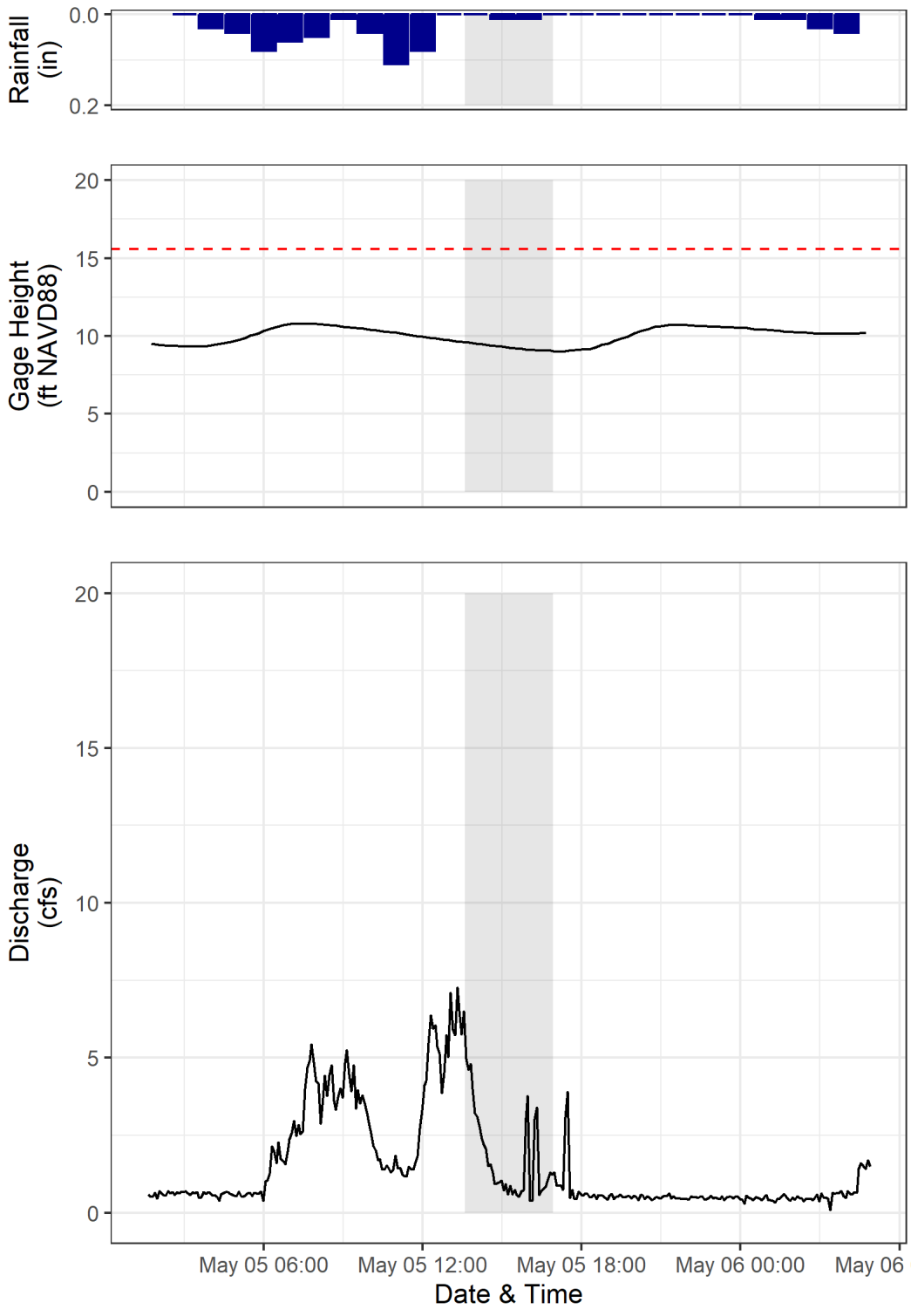
Figure 3-6c
S-1 Hydrograph
Event 3
03/09/2023

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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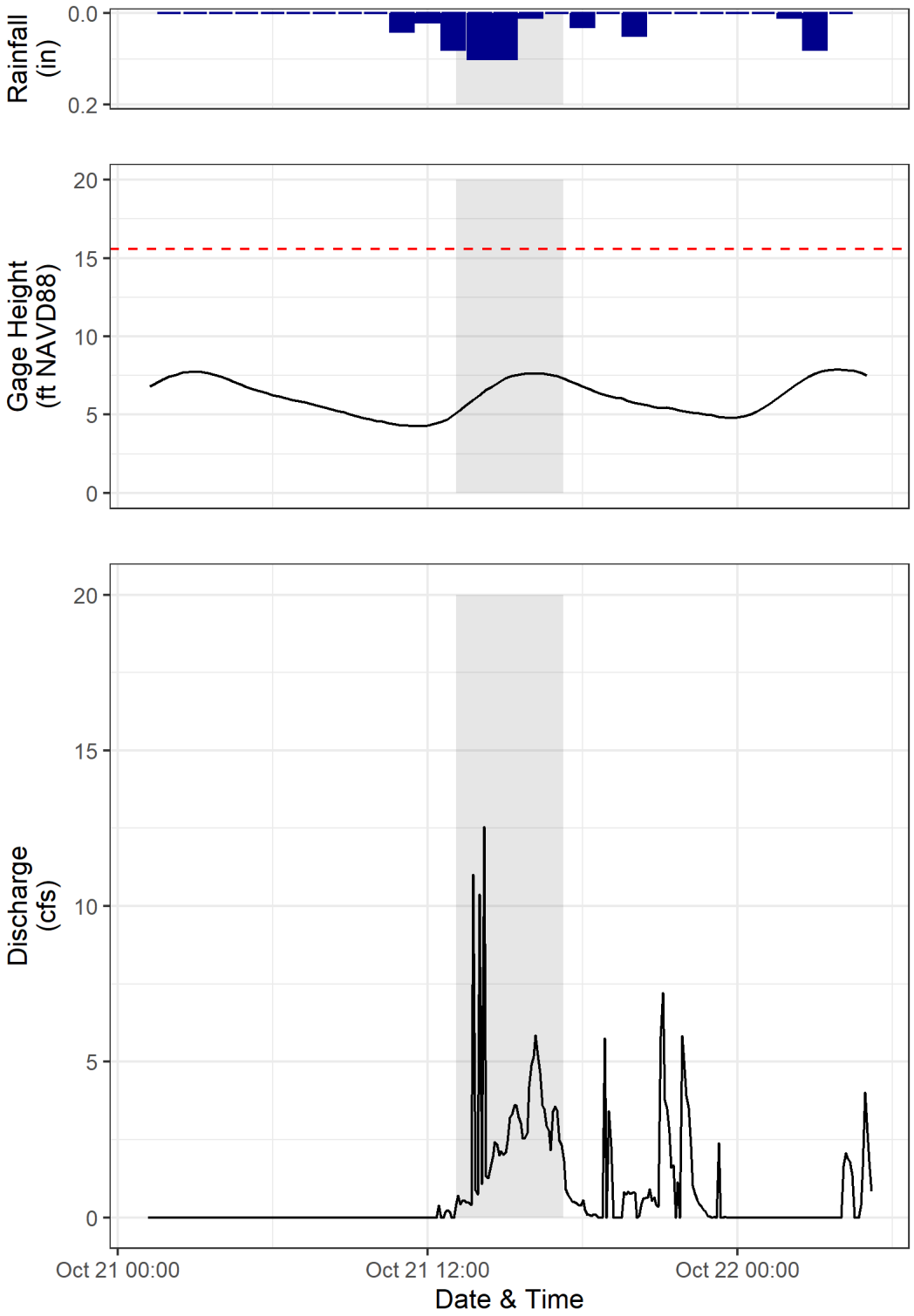
Figure 3-7a
S2 Hydrograph
Event 1
05/05/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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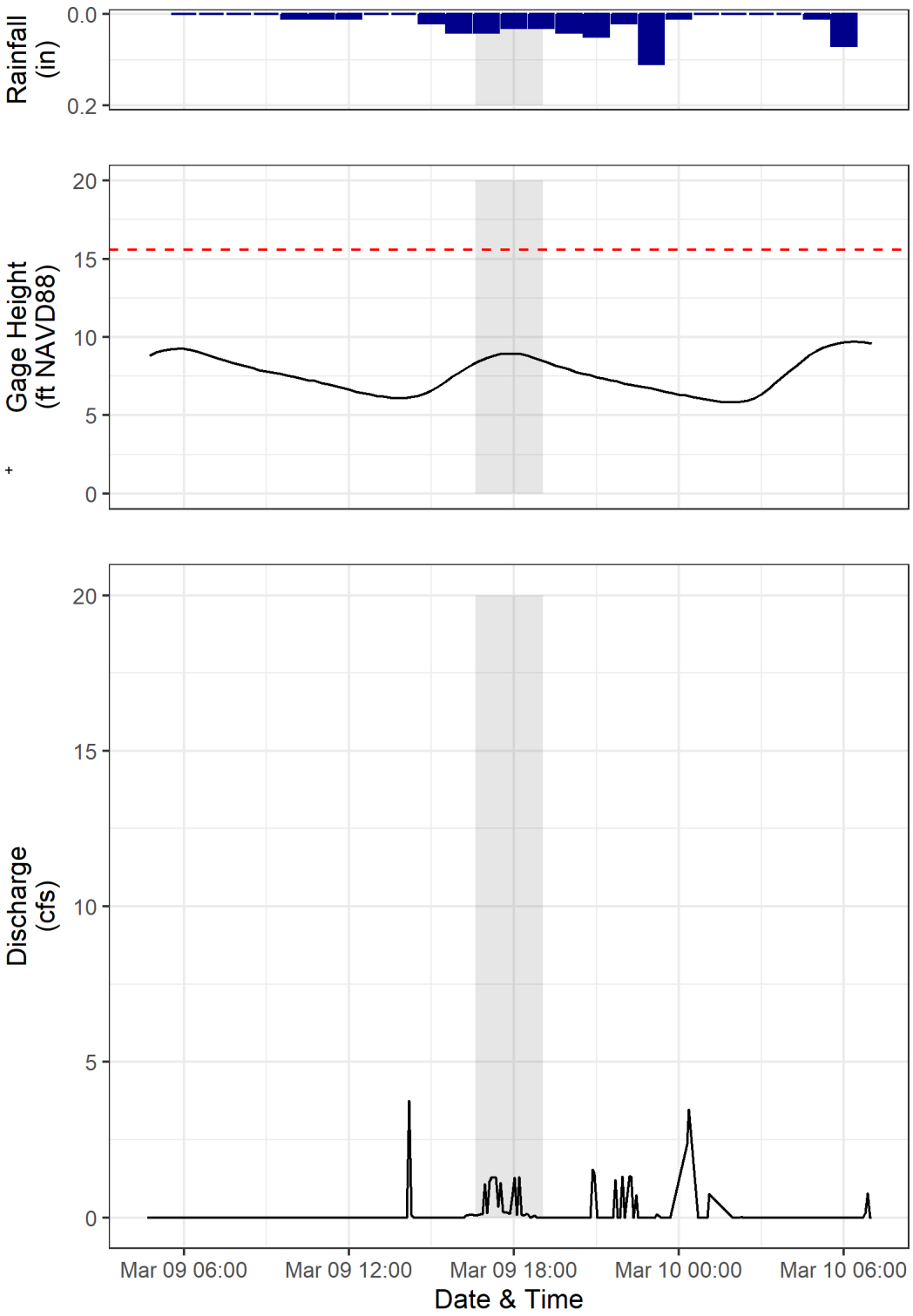
Figure 3-7b
S2 Hydrograph
Event 2
10/21/2022

Prepared on 4/2/2024

Stormwater Sampling Data Report
Swan Island Basin

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Figure 3-7c
S2 Hydrograph
Event 3
03/09/2023

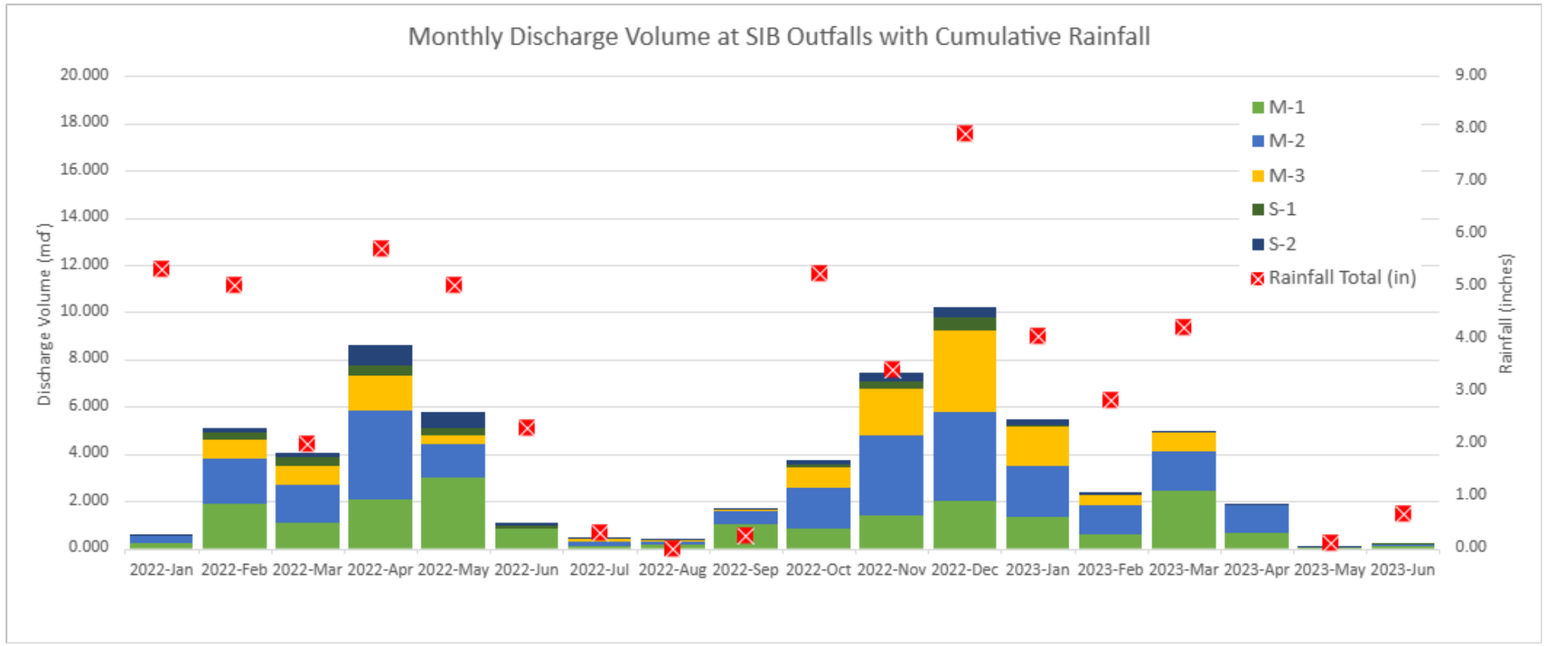
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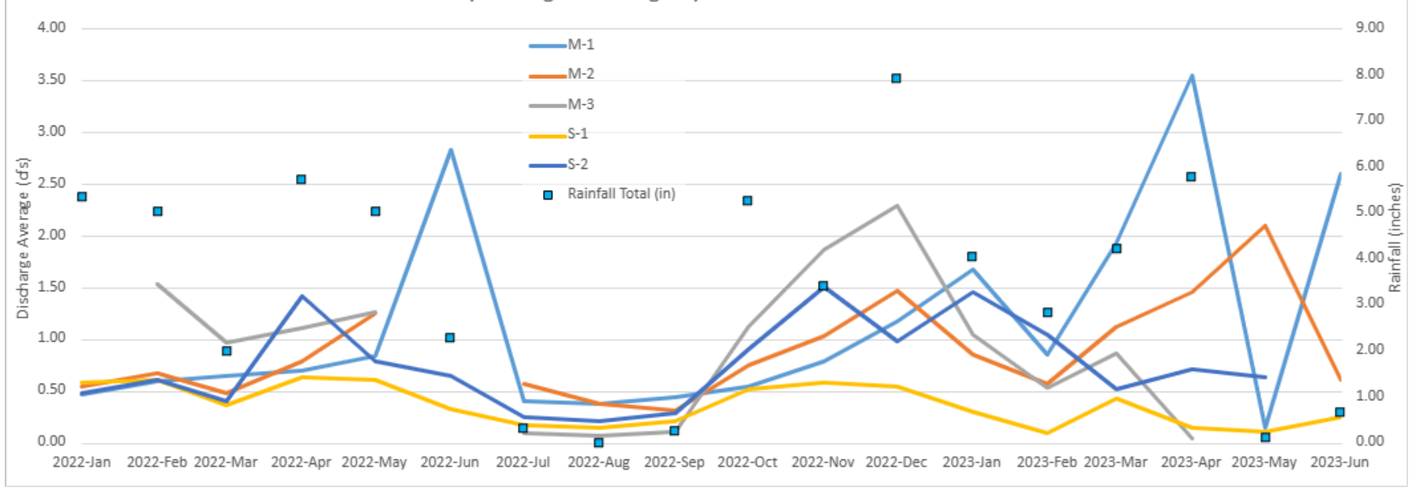
Stormwater Sampling Data Report
Swan Island Basin

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Monthly Discharge Volume by Outfall (mcf)						
Month	M-1	M-2	M-3	S-1	S-2	Rainfall Total (in)
2022-Jan	0.198	0.304		0.017	0.012	5.35
2022-Feb	1.872	1.903	0.809	0.306	0.214	5.03
2022-Mar	1.1	1.584	0.808	0.344	0.236	2.01
2022-Apr	2.049	3.801	1.495	0.414	0.882	5.74
2022-May	3.018	1.406	0.347	0.353	0.642	5.03
2022-Jun	0.859			0.096	0.098	2.31
2022-Jul	0.103	0.183	0.122	0.009	0.016	0.32
2022-Aug	0.148	0.122	0.047	0	0.007	0.01
2022-Sep	1.025	0.531	0.052	0.017	0.018	0.27
2022-Oct	0.834	1.709	0.901	0.101	0.179	5.27
2022-Nov	1.373	3.411	1.95	0.345	0.386	3.42
2022-Dec	2.021	3.766	3.435	0.559	0.438	7.93
2023-Jan	1.336	2.181	1.666	0.037	0.25	4.05
2023-Feb	0.572	1.273	0.419	0	0.109	2.85
2023-Mar	2.453	1.648	0.777	0.011	0.055	4.24
2023-Apr	0.657	1.159	0	0.013	0.075	5.8
2023-May	0.005	0.006		0.002	0.011	0.12
2023-Jun	0.104	0.07		0.014		0.67

Monthly Average Discharge Rate by Outfall (cfs)						
Month	M-1	M-2	M-3	S-1	S-2	Rainfall Total (in)
2022-Jan	0.47	0.54		0.58	0.48	5.35
2022-Feb	0.6	0.68	1.54	0.61	0.61	5.03
2022-Mar	0.65	0.49	0.98	0.37	0.41	2.01
2022-Apr	0.7	0.8	1.12	0.64	1.42	5.74
2022-May	0.85	1.25	1.27	0.61	0.79	5.03
2022-Jun	2.84			0.33	0.65	2.31
2022-Jul	0.41	0.58	0.1	0.18	0.26	0.32
2022-Aug	0.39	0.39	0.07	0.15	0.21	0.01
2022-Sep	0.44	0.32	0.11	0.22	0.29	0.27
2022-Oct	0.55	0.75	1.13	0.53	0.91	5.27
2022-Nov	0.79	1.04	1.87	0.58	1.51	3.42
2022-Dec	1.18	1.48	2.3	0.55	0.99	7.93
2023-Jan	1.68	0.85	1.05	0.31	1.46	4.05
2023-Feb	0.85	0.57	0.54	0.1	1.05	2.85
2023-Mar	1.94	1.12	0.87	0.44	0.52	4.24
2023-Apr	3.55	1.46	0.05	0.15	0.72	5.8
2023-May	0.16	2.1		0.12	0.64	0.12
2023-Jun	2.61	0.61		0.26		0.67





Notes:
cfs - cubic feet per second
mcf - million cubic feet
in - inches

Flow data from water-level-velocity sensors deployed in City of Portland conveyance systems with inundation periods removed (see Attachment A.7)

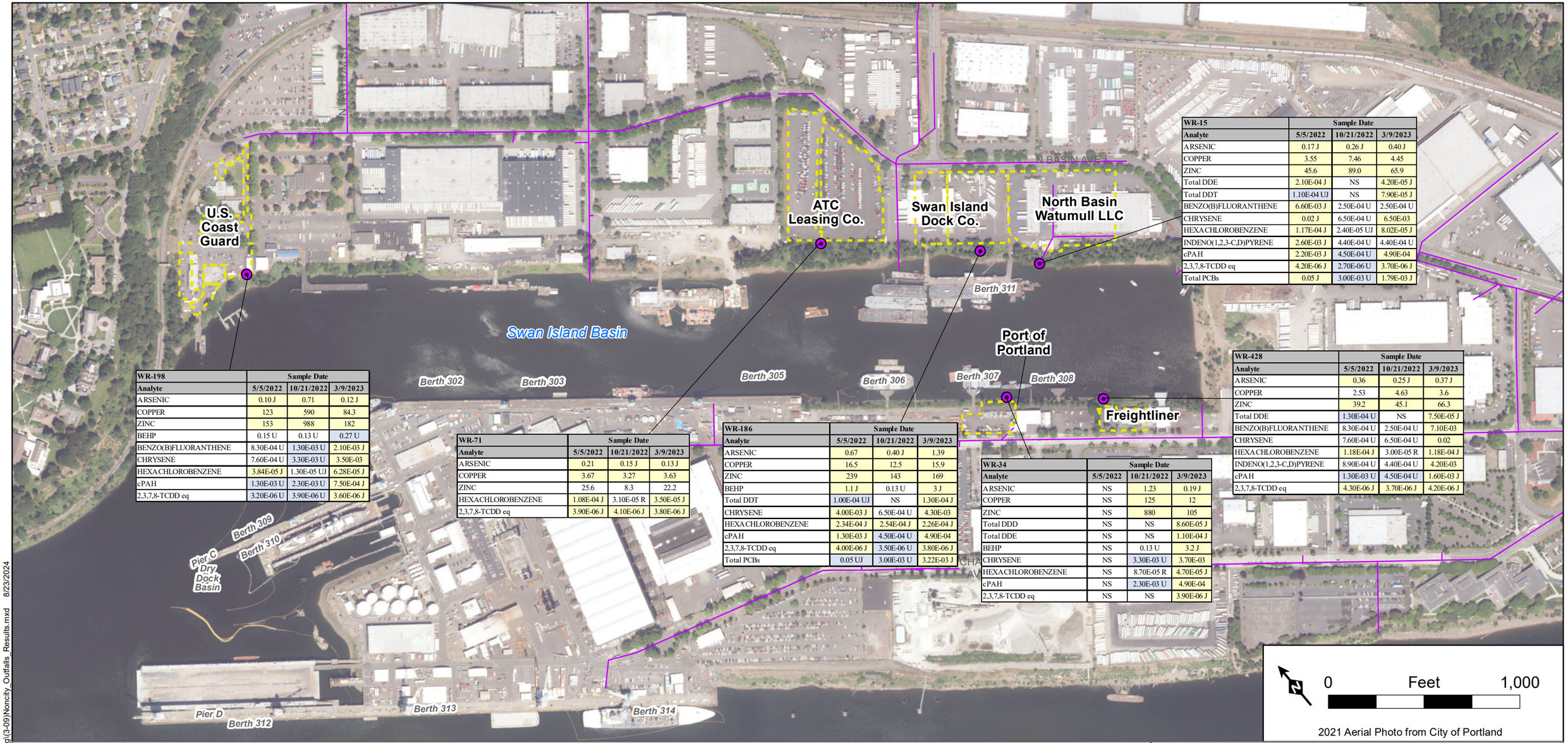
Precipitation data from Shipyard Rain Gage: (or.water.usgs.gov/non-usgs/bes/shipyard.rain)

Figure 3-8

City of Portland Conveyance System Flows – February 2022 – June 2023

Prepared on: 4/2/2024
Stormwater Sampling Data Report
Swan Island Basin

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WR-198	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	0.10 J	0.71	0.12 J
COPPER	123	590	84.3
ZINC	153	988	182
BEHP	0.15 U	0.13 U	0.27 U
BENZO(B)FLUORANTHENE	8.30E-04 U	1.30E-03 U	2.10E-03 J
CHRYSENE	7.60E-04 U	3.30E-03 U	3.50E-03
HEXACHLOROBENZENE	3.84E-05 J	1.30E-05 UJ	6.28E-05 J
cPAH	1.30E-03 U	2.30E-03 U	7.50E-04 J
2,3,7,8-TCDD eq	3.20E-06 U	3.90E-06 U	3.60E-06 J

WR-71	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	0.21	0.15 J	0.13 J
COPPER	3.67	3.27	3.63
ZINC	25.6	8.3	22.2
HEXACHLOROBENZENE	1.08E-04 J	3.10E-05 R	3.50E-05 J
2,3,7,8-TCDD eq	3.90E-06 J	4.10E-06 J	3.80E-06 J

WR-186	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	0.67	0.40 J	1.39
COPPER	16.5	12.5	15.9
ZINC	239	143	169
BEHP	1.1 J	0.13 U	3 J
Total DDT	1.00E-04 UJ	NS	1.30E-04 J
CHRYSENE	4.00E-03 J	6.50E-04 U	4.30E-03
HEXACHLOROBENZENE	2.34E-04 J	2.54E-04 J	2.26E-04 J
cPAH	1.30E-03 J	4.50E-04 U	4.90E-04
2,3,7,8-TCDD eq	4.00E-06 J	3.50E-06 U	3.80E-06 J
Total PCBs	0.05 UJ	3.00E-03 U	3.22E-03 J

WR-34	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	NS	1.23	0.19 J
COPPER	NS	125	12
ZINC	NS	880	105
Total DDD	NS	NS	8.60E-05 J
Total DDE	NS	NS	1.10E-04 J
BEHP	NS	0.13 U	3.2 J
CHRYSENE	NS	3.30E-03 U	3.70E-03
HEXACHLOROBENZENE	NS	8.70E-05 R	4.70E-05 J
cPAH	NS	2.30E-03 U	4.90E-04
2,3,7,8-TCDD eq	NS	NS	3.90E-06 J

WR-15	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	0.17 J	0.26 J	0.40 J
COPPER	3.55	7.46	4.45
ZINC	45.6	89.0	65.9
Total DDE	2.10E-04 J	NS	4.20E-05 J
Total DDT	1.10E-04 UJ	NS	7.90E-05 J
BENZO(B)FLUORANTHENE	6.60E-03 J	2.50E-04 U	2.50E-04 U
CHRYSENE	0.02 J	6.50E-04 U	6.50E-03
HEXACHLOROBENZENE	1.17E-04 J	2.40E-05 UJ	8.02E-05 J
INDENO(1,2,3-C,D)PYRENE	2.60E-03 J	4.40E-04 U	4.40E-04 U
cPAH	2.20E-03 J	4.50E-04 U	4.90E-04
2,3,7,8-TCDD eq	4.20E-06 J	2.70E-06 U	3.70E-06 J
Total PCBs	0.05 J	3.00E-03 U	1.79E-03 J

WR-428	Sample Date		
Analyte	5/5/2022	10/21/2022	3/9/2023
ARSENIC	0.36	0.25 J	0.37 J
COPPER	2.53	4.63	3.6
ZINC	39.2	45.1	66.3
Total DDE	1.30E-04 U	NS	7.50E-05 J
BENZO(B)FLUORANTHENE	8.30E-04 U	2.50E-04 U	7.10E-03
CHRYSENE	7.60E-04 U	6.50E-04 U	0.02
HEXACHLOROBENZENE	1.18E-04 J	3.00E-05 R	1.18E-04 J
INDENO(1,2,3-C,D)PYRENE	8.90E-04 U	4.40E-04 U	4.20E-03
cPAH	1.30E-03 U	4.50E-04 U	1.60E-03 J
2,3,7,8-TCDD eq	4.30E-06 J	3.70E-06 J	4.20E-06 J

Manhole Stormwater Sample Location

Stormwater Line

Estimated Drainage Areas for Private Outfalls Included in Stormwater Sampling Program

Tax Lot Boundary

CUL Exceedance

RAL/PQL Exceedance

PTW Exceedance

MDL exceeds CUL

Notes:
All results are stormwater samples reported in micrograms per liter (µg/L).

BEHP - bis(2-Ethylhexyl) phthalate
cPAH - carcinogenic polycyclic aromatic hydrocarbons
COC - contaminants of concern
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
HVS - high-volume sampling
HxCDF - 1,2,3,4,7,8-hexachlorodibenzofuran
J - estimated value
MDL - method detection limit
ND - analyte was not detected above reporting limit
NS - not sampled
PCB - polychlorinated biphenyl
PeCDD - 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PeCDF - 2,3,4,7,8-pentachlorodibenzofuran
PQL - practical quantitation limit
PTW - principal threat waste
R - rejected
RAL - remedial action level
ROD - Record of Decision
TCDD - 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF - 2,3,7,8-tetrachlorodibenzofuran

Figure 3-9

Non-City Outfall ROD COC Detections

Prepared on 8/23/2024

Stormwater Sampling Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

\\srv-gst-01\HGL\GIS\Portland_Harbor_DT2002\SIB\Stormwater_Sampling\(3-09)Noncity_Outfalls_Results.mxd 8/23/2024

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ATTACHMENTS

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ATTACHMENT A
FIELD INVESTIGATION

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ATTACHMENT A.1

STORMWATER CONVEYANCE EQUIPMENT INSTALLATION FIELD SUMMARIES

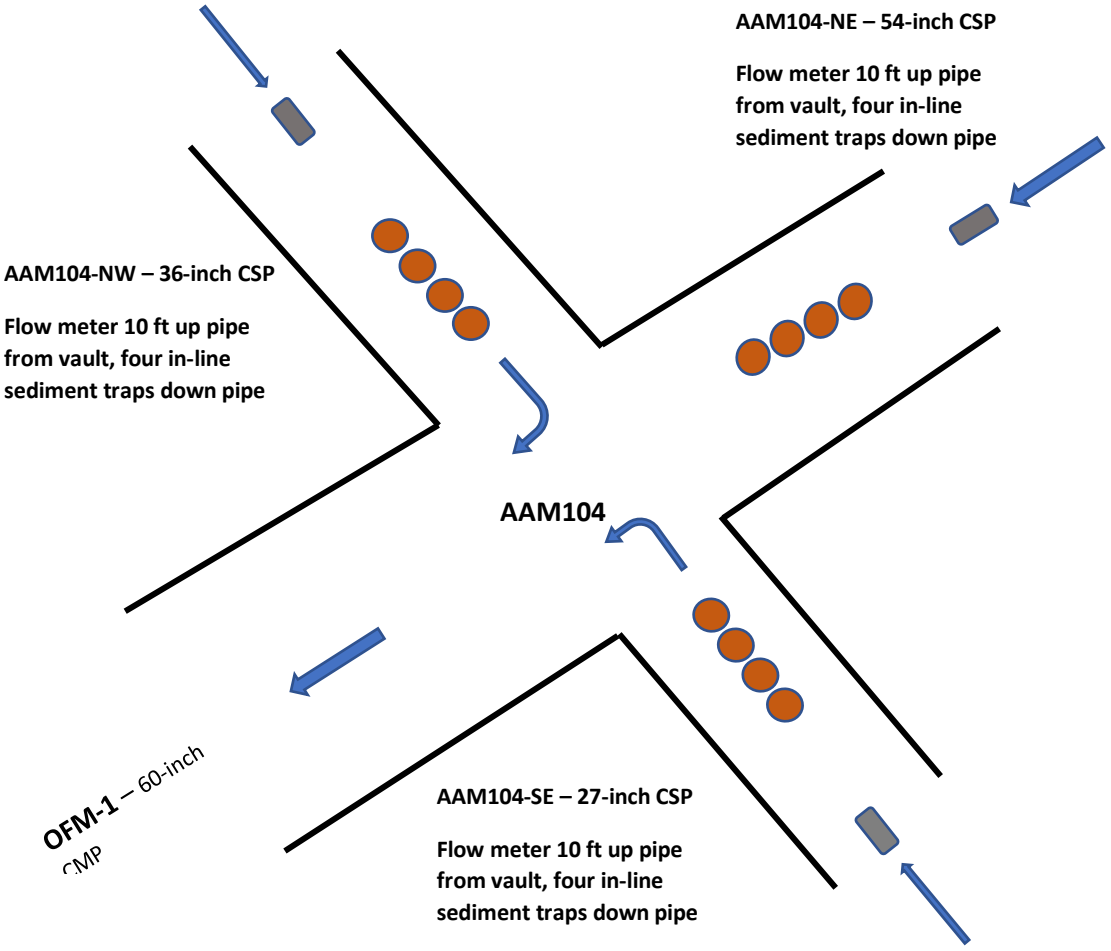
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OFM-1

Three lateral stormwater pipes accessed via vault **AAM104**, 2900 N. Ensign St, Portland OR.

- Lateral install AAM104-NW, 36-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN64452, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAM104-SE, 27-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN59199, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAM104-NE, 54-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN68424, set to record at 5 min intervals
  - four in-line sediment

Installation date 01/27/2022





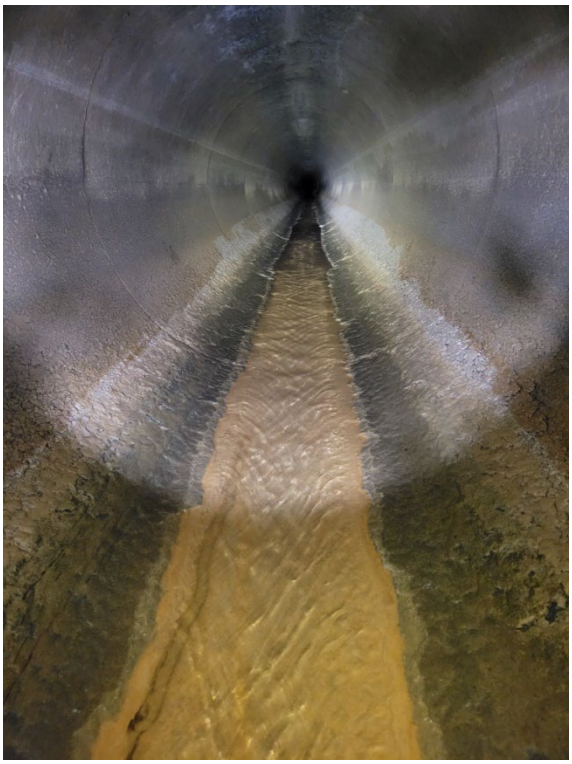
AAM104-NW pre-install



AAM104-NW flow meter



AAM104-NW in-line sediment traps



AAM104-NE pre-install



AAM104-NE flow sensor



AAM104-NE in-line sediment traps



AAM104-SE pre-install



AAM104-SE flow sensor



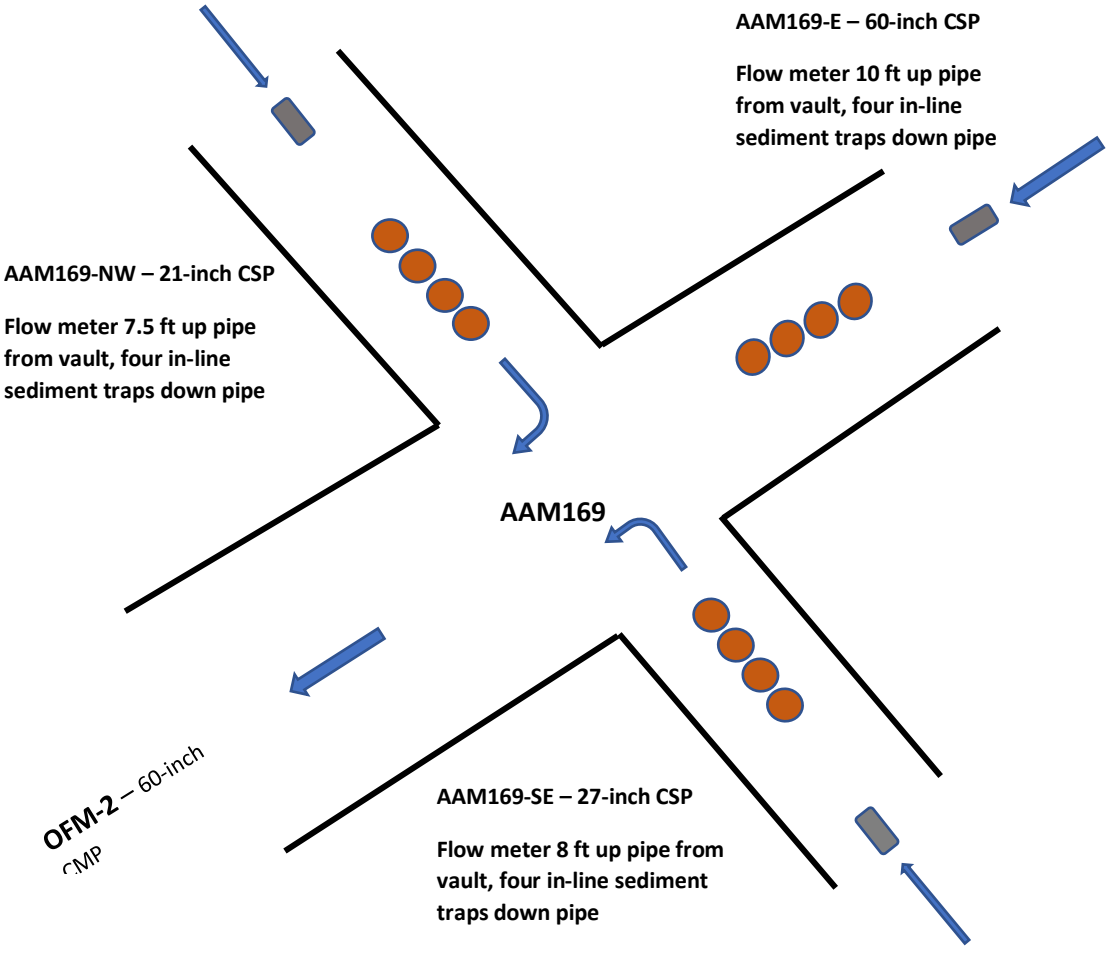
AAM101-SE in-line sediment traps

OFM-2

Three lateral stormwater pipes accessed via vault **AAM169**, 6010 N. Basin Ave, Portland OR.

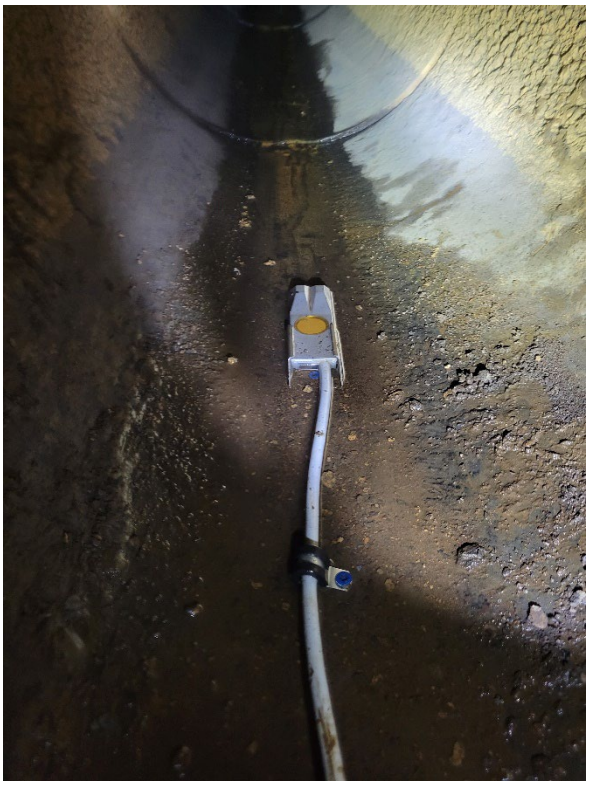
- Lateral install AAM169-NW, 21-inch pipe
  - one flow sensor 7.5 ft from vault. Sensor SN73705, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAM169-SE, 27-inch pipe
  - one flow sensor 8 ft from vault. Sensor SN59019, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAM169-E, 60-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN76103, set to record at 5 min intervals
  - four in-line sediment

Installation date 01/25 & 1/26/2022





AAM169-NW pre-install



AAM169-NW flow meter



AAM169-NW in-line sediment traps



AAM169-E pre-install



AAM169-E flow sensor



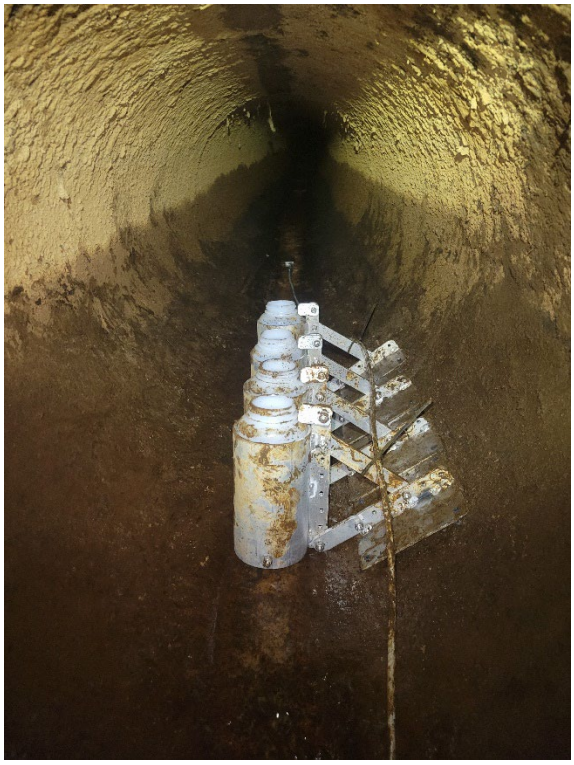
AAM169-E in-line sediment traps



AAM169-SE pre-install



AAM169-SE flow sensor



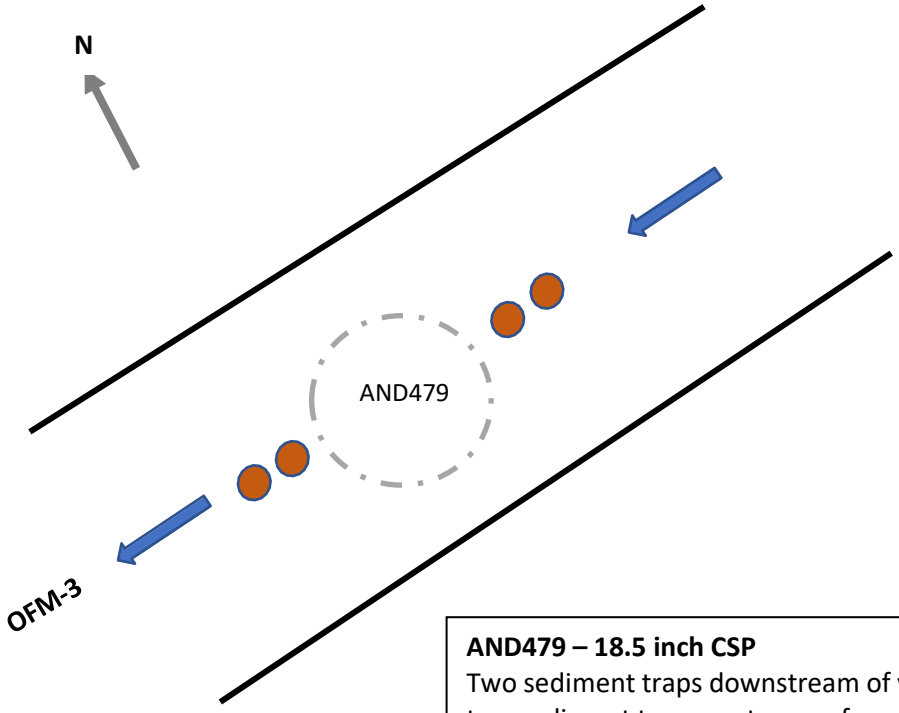
AAM169-SE in-line sediment traps

OFM-3

Single stormwater pipe accessed via vault **AND479**, N. Emerson St, Portland OR.

- Install AND479, 18.5 inch pipe
  - four in-line sediment traps downstream of flow sensor

Installation date 03/03/2022



AND479 – 18.5 inch CSP
Two sediment traps downstream of vault, two sediment traps upstream of vault.



AND479 Upstream pre-install



AND479 Upstream In-line sediment traps



AND479 Down-stream pre-install



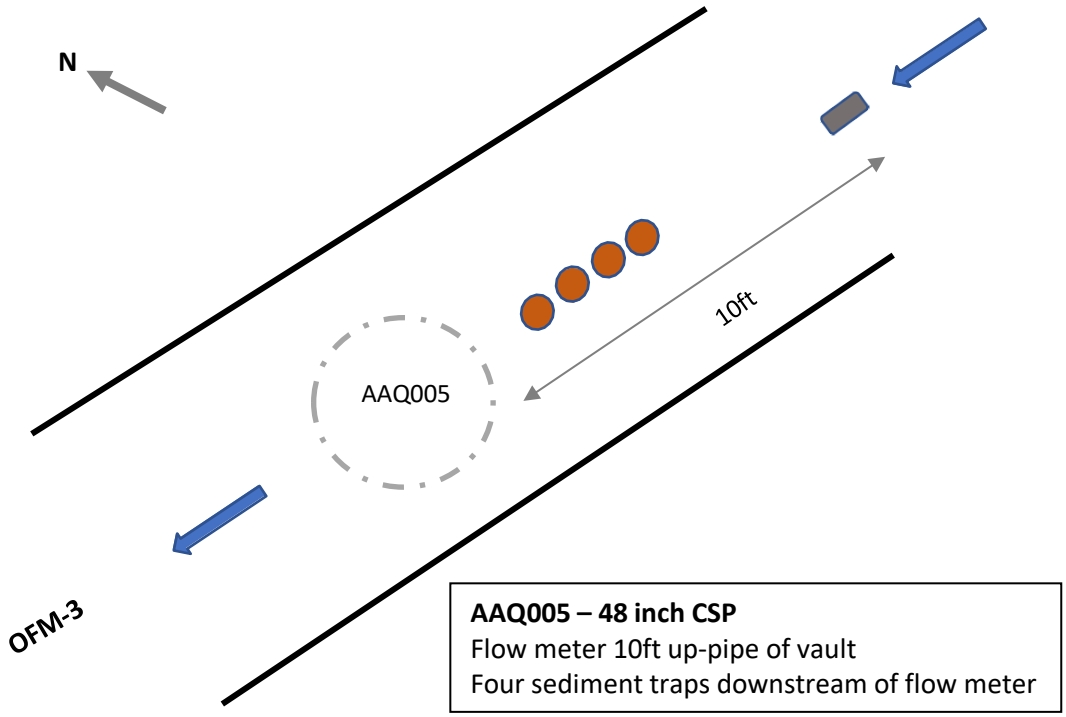
AND479 Down-stream In-line sediment traps

OFM-3

Single stormwater pipe accessed via vault **AAQ005**, 5400 WI/ N. Basin Ave, Portland OR.

- Install AAQ005, 48-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN76102, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor

Installation date 02/03/2022



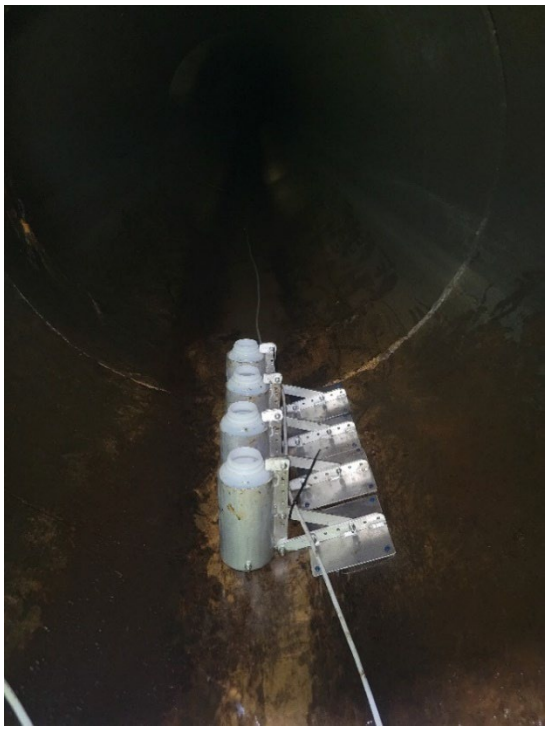
AAQ005 – 48 inch CSP
Flow meter 10ft up-pipe of vault
Four sediment traps downstream of flow meter



AAQ005 pre-install



AAQ005 flow meter



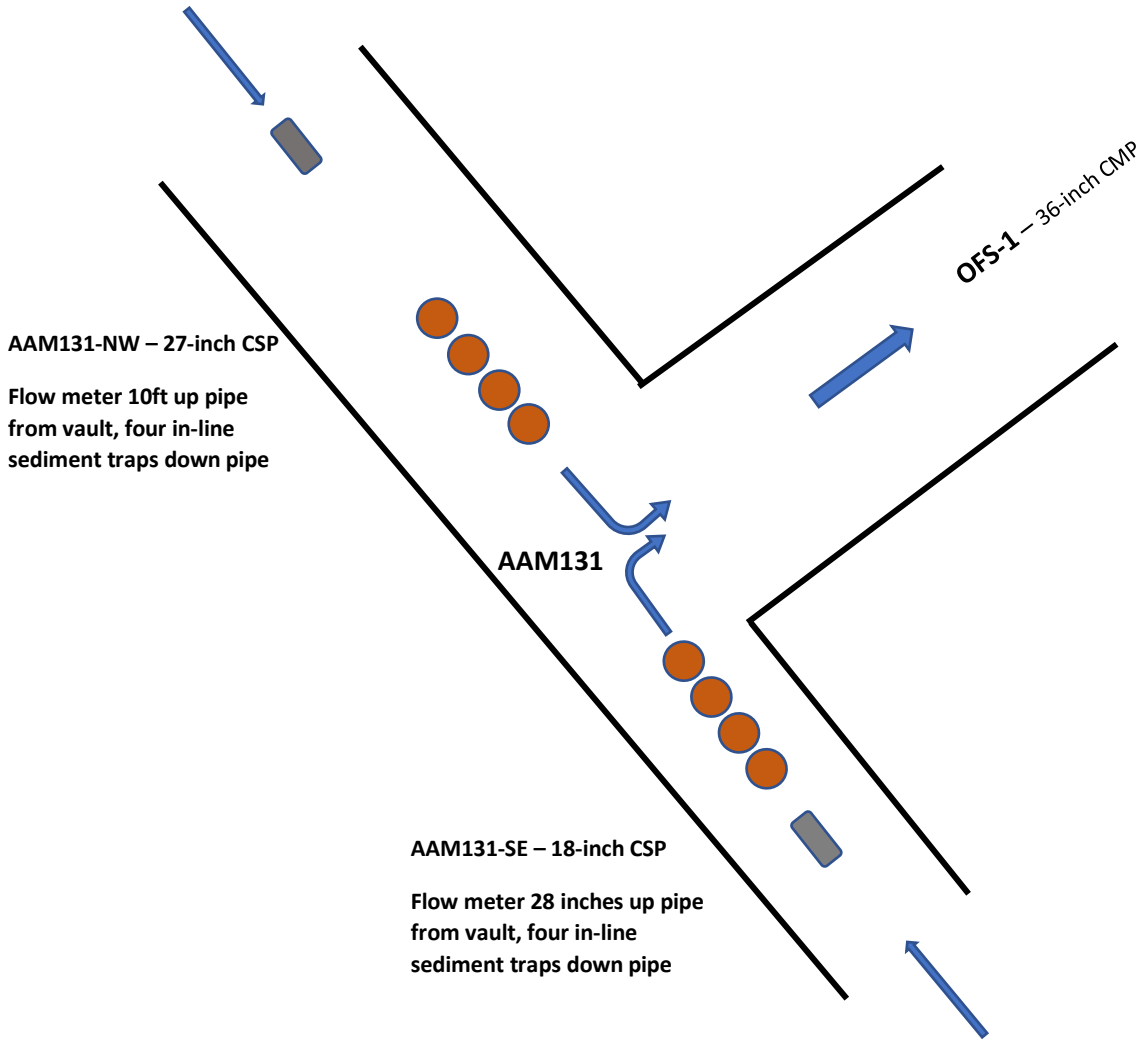
AAQ005 In-line sediment traps

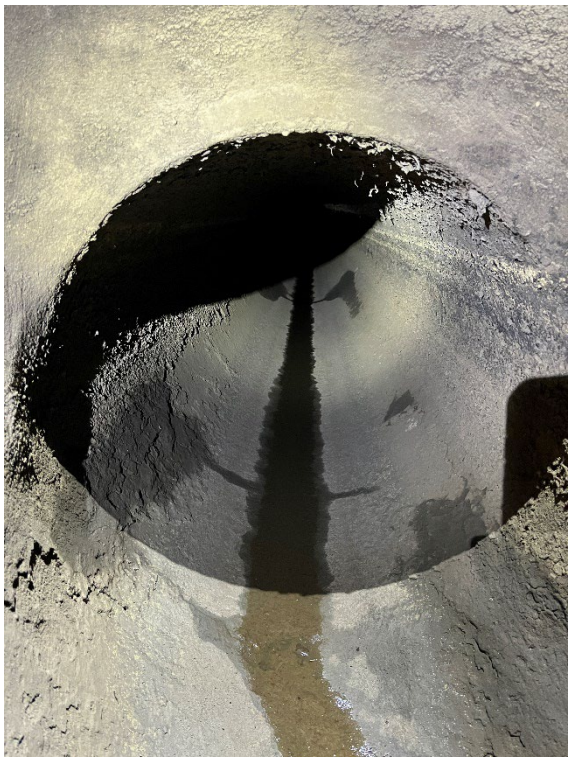
OFS-1

Two lateral stormwater pipes accessed via vault **AAM131**, 5700 N. Lagoon Ave, Portland OR.

- Lateral install AAM131-NW, 27-inch pipe
  - one flow sensor 10 ft from vault. Sensor SN64455, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAM131-SE, 18-inch pipe
  - one flow sensor 28 inches from vault. Sensor SN74155, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor

Installation date 01/24/2022





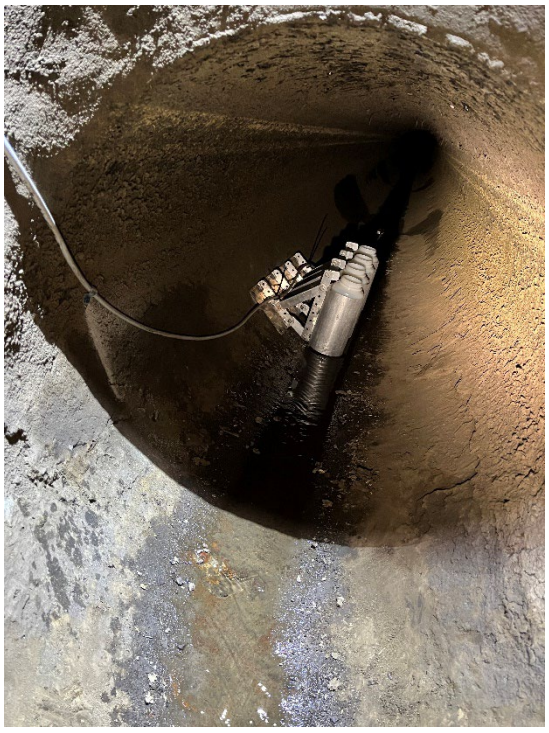
AAM131-NW -pre-install



AAM131-NW flow sensor



AAM131-NW in-line sediment traps



AAM131-NW install



AAM131-SE pre-install



AAM131-SE flow sensor



AAM131-SE in-line sediment traps



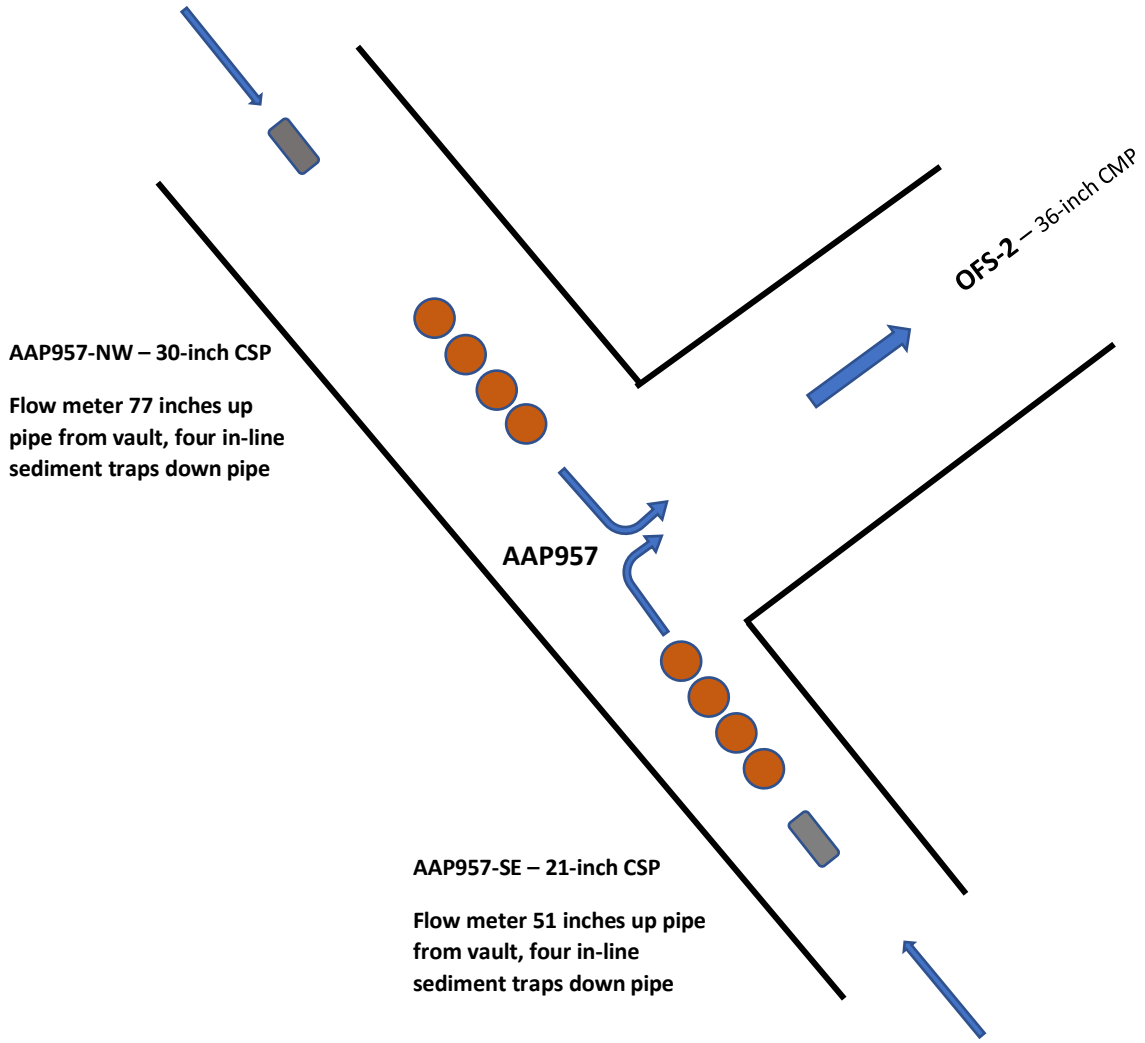
AAM131-SE install

OFS-2

Two lateral stormwater pipes accessed via vault **AAP957**, 5050 N. Lagoon Ave, Portland OR.

- Lateral install AAP957-NW, 30-inch pipe
  - one flow sensor 77 inches from vault. Sensor SN76100, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor
- Lateral install AAP957-SE, 21-inch pipe
  - one flow sensor 51 inches from vault. Sensor SN70063, set to record at 5 min intervals
  - four in-line sediment traps downstream of flow sensor

Installation date 01/25/2022





AAP957-NW pre-install



AAP957-NW flow sensor



AAP957-NW in-line sediment traps



AAP957-SE pre-install



AAP957-SE flow sensor



AAP957-SE in-line sediment traps

ATTACHMENT A.2
STORMWATER SAMPLING COLLECTION SUMMARY

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Attachment A.2
Stormwater Sample Collection Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

	Analysis		VOCs (8260C)	SVOCs (8270D), PAHs (8270-SIM)	TPH-Diesel (NWPTH-Dx)	Herbicides (8151A)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Pesticides (1699M)	Metals (6020B) + Mercury (7471B)	TOC (9060)	DOC (A5310C)	TSS (SM2540D)
	Laboratory		ALS	ALS	ALS	ALS	ALS	SGS/CFA[1]	SGS/CFA[1]	ARI	SGS/ALS[1]	ALS/ARI	ALS	ALS	ALS
Sample ID	**Sample Date**	**Sample Time**													
City HVS Bulk Stormwater															
SIB-SW-AAM107-CAR-050522	05/05/2022	15:18											x	x	x
SIB-SW-AAM131-CAR-050522	05/05/2022	08:25											x	x	x
SIB-SW-AAM169-CAR-050522	05/05/2022	14:38											x	x	x
SIB-SW-AAP957-CAR-050522	05/05/2022	16:40											x	x	x
SIB-SW-AAQ005-CAR-050522	05/05/2022	08:45											x	x	x
SIB-SW-AAM107-CAR-ST-050522	05/05/2022	15:18	x	x		x	x					x			
SIB-SW-AAM131-CAR-ST-050522	05/05/2022	09:25	x	x		x	x					x			
SIB-SW-AAM169-CAR-ST-050522	05/05/2022	14:38	x	x		x	x					x			
SIB-SW-AAP957-CAR-ST-050522	05/05/2022	16:40	x	x		x	x					x			
SIB-SW-AAQ005-CAR-ST-050522	05/05/2022	08:45	x	x		x	x					x			
SIB-SW-AAM107-CAR-102122	10/21/2022	15:52											x		x
SIB-SW-AAM131-CAR-102122	10/21/2022	16:38											x		x
SIB-SW-AAM169-CAR-102122	10/21/2022	17:25											x		x
SIB-SW-AAP957-CAR-102122	10/21/2022	17:35											x		x
SIB-SW-AAQ005-CAR-102122	10/21/2022	18:06											x		x
SIB-SW-AAM107-CAR-ST-102122	10/21/2022	15:52	x	x		x	x					x			
SIB-SW-AAM131-CAR-ST-102122	10/21/2022	16:38	x	x		x	x					x			
SIB-SW-AAM169-CAR-ST-102122	10/21/2022	17:25	x	x		x	x					x			
SIB-SW-AAP957-CAR-ST-102122	10/21/2022	17:35	x	x		x	x					x			
SIB-SW-AAQ005-CAR-ST-102122	10/21/2022	18:06	x	x		x	x					x			
SIB-SW-AAM107-CAR-030923	03/09/2023	17:31											x		x
SIB-SW-AAM131-CAR-030923	03/09/2023	18:32											x		x
SIB-SW-AAM169-CAR-030923	03/09/2023	16:17											x		x
SIB-SW-AAP957-CAR-030923	03/09/2023	19:03											x		x
SIB-SW-AAQ005-CAR-030923	03/09/2023	16:48											x		x
SIB-SW-AAM107-CAR-ST-030923	03/09/2023	17:31	x	x		x	x					x			
SIB-SW-AAM131-CAR-ST-030923	03/09/2023	18:32	x	x		x	x					x			
SIB-SW-AAM169-CAR-ST-030923	03/09/2023	16:17	x	x		x	x					x			
SIB-SW-AAP957-CAR-ST-030923	03/09/2023	19:03	x	x		x	x					x			
SIB-SW-AAQ005-CAR-ST-030923	03/09/2023	16:48	x	x		x	x					x			
City HVS Centrifuged Sediment															
SIB-SW-AAM107-CAR-SE-050522	05/05/2022	15:18										x			
SIB-SW-AAM131-CAR-SE-050522	05/05/2022	09:25										x			
SIB-SW-AAM169-CAR-SE-050522	05/05/2022	14:38										x			
SIB-SW-AAP957-CAR-SE-050522	05/05/2022	16:40										x			
SIB-SW-AAQ005-CAR-SE-050522	05/05/2022	08:45										x			
SIB-SW-AAM107-CAR-SE-102122	10/21/2022	18:06										x			
SIB-SW-AAM131-CAR-SE-102122	10/21/2022	17:35										x			
SIB-SW-AAM169-CAR-SE-102122	10/21/2022	16:38										x			
SIB-SW-AAP957-CAR-SE-102122	10/21/2022	17:25										x			
SIB-SW-AAQ005-CAR-SE-102122	10/21/2022	15:52										x			
SIB-SW-AAM107-CAR-SE-030923	03/09/2023	17:31										x			
SIB-SW-AAM131-CAR-SE-030923	03/09/2023	18:32										x			
SIB-SW-AAM169-CAR-SE-030923	03/09/2023	16:17										x			
SIB-SW-AAP957-CAR-SE-030923	03/09/2023	19:03										x			
SIB-SW-AAQ005-CAR-SE-030923	03/09/2023	16:48										x			

Attachment A.2 (continued)
Stormwater Sample Collection Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

	Analysis		VOCs (8260C)	SVOCs (8270D), PAHs (8270-SIM)	TPH-Diesel (NWPTH-Dx)	Herbicides (8151A)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Pesticides (1699M)	Metals (6020B) + Mercury (7471B)	TOC (9060)	DOC (A5310C)	TSS (SM2540D)
	Laboratory		ALS	ALS	ALS	ALS	ALS	SGS/CFA[1]	SGS/CFA[1]	ARI	SGS/ALS[1]	ALS/ARI	ALS	ALS	ALS
City HVS Particulate Phase															
SIB-SE-AAM107-FRONT-050522	05/05/2022	15:18						x	x		x				
SIB-SE-AAM131-FRONT-050522	05/05/2022	09:25						x	x		x				
SIB-SE-AAM169-FRONT-050522	05/05/2022	14:38						x	x		x				
SIB-SE-AAP957-FRONT-050522	05/05/2022	16:40						x	x		x				
SIB-SE-AAQ005-FRONT-050522	05/05/2022	08:45						x	x		x				
SIB-SE-AAM107-FRONT-102122	10/21/2022	18:07						x	x		x				
SIB-SE-AAM131-FRONT-102122	10/21/2022	17:35						x	x		x				
SIB-SE-AAM169-FRONT-102122	10/21/2022	16:38						x	x		x				
SIB-SE-AAP957-FRONT-102122	10/21/2022	17:25						x	x		x				
SIB-SE-AAQ005-FRONT-102122	10/21/2022	15:52						x	x		x				
SIB-SE-AAM107-FRONT-030923	03/09/2023	17:31						x	x		x				
SIB-SE-AAM131-FRONT-030923	03/09/2023	18:32						x	x		x				
SIB-SE-AAM169-FRONT-030923	03/09/2023	16:17						x	x		x				
SIB-SE-AAP957-FRONT-030923	03/09/2023	19:03						x	x		x				
SIB-SE-AAQ005-FRONT-030923	03/09/2023	16:48						x	x		x				
City HVS Dissolved Phase															
SIB-SW-AAM107-BACK-050522	05/05/2022	15:18						x	x		x				
SIB-SW-AAM131-BACK-050522	05/05/2022	09:25						x	x		x				
SIB-SW-AAM169-BACK-050522	05/05/2022	14:38						x	x		x				
SIB-SW-AAP957-BACK-050522	05/05/2022	16:40						x	x		x				
SIB-SW-AAQ005-BACK-050522	05/05/2022	08:45						x	x		x				
SIB-SW-AAM107-BACK-102122	10/21/2022	18:07						x	x		x				
SIB-SW-AAM131-BACK-102122	10/21/2022	17:35						x	x		x				
SIB-SW-AAM169-BACK-102122	10/21/2022	16:38						x	x		x				
SIB-SW-AAP957-BACK-102122	10/21/2022	17:25						x	x		x				
SIB-SW-AAQ005-BACK-102122	10/21/2022	15:52						x	x		x				
SIB-SW-AAM107-BACK-030923	03/09/2023	17:31						x	x		x				
SIB-SW-AAM131-BACK-030923	03/09/2023	18:32						x	x		x				
SIB-SW-AAM169-BACK-030923	03/09/2023	16:17						x	x		x				
SIB-SW-AAP957-BACK-030923	03/09/2023	19:03						x	x		x				
SIB-SW-AAQ005-BACK-030923	03/09/2023	16:48						x	x		x				
City ILS Composite															
SIB-ILS-AAM131-DRY	8/28&11/13/2022	N/A								x	x	x	x		
SIB-ILS-AAQ005-DRY	8/28&11/13/2022	N/A							x	x					
SIB-ILS-AND479-DRY	8/28&11/13/2022	N/A							x	x	x	x	x		
SIB-ILS-AAP957-DRY	8/28&11/12/2022	N/A							x	x	x	x	x		
SIB-ILS-AAM169-DRY	8/28&11/12/2022	N/A		x	x		x	x	x	x	x	x	x		
SIB-ILS-AAM104-DRY	8/27&11/12/2022	N/A		x	x		x	x	x	x	x	x	x		
SIB-ILS-AAM131-WET	05/02/2022&06/18/2023	N/A							x	x			x		
SIB-ILS-AAQ005-WET	05/02/2022&06/17/2023	N/A		x	x		x		x	x	x		x		
SIB-ILS-AND479-WET	05/02/2022&06/18/2023	N/A							x	x	x	x	x		
SIB-ILS-AAP957-WET	05/03/2022&06/17/2023	N/A		x	x		x	x	x	x	x	x	x		
SIB-ILS-AAM104-WET	05/03/2022&06/17/2023	N/A		x	x		x	x	x	x	x	x	x		
City Manual Grab Solid															
SIB-SED-MG-AAM169-NW-061723	06/17/2023	13:20		x	x		x		x	x	x	x	x		
Smaller Non-City Outfalls[2]															
SIB-SW-WR15-050522	05/05/2022	09:25	x	x		x	x		x	x	x	x	x		x
SIB-SW-WR186-050522	05/05/2022	09:12	x	x		x	x		x	x	x	x	x		x
SIB-SW-WR198-050522	05/05/2022	08:40	x	x		x	x	x	x	x	x	x	x		x
SIB-SW-WR428-050522	05/05/2022	07:00	x	x		x	x	x	x	x	x	x	x		x
SIB-SW-WR71-050522	05/05/2022	08:10	x	x		x	x		x	x	x	x	x		x

Attachment A.2 (continued)
Stormwater Sample Collection Summary Table
Stormwater Sampling Data Report; Swan Island Basin Project Area
Portland, Oregon

	Analysis		VOCs (8260C)	SVOCs (8270D), PAHs (8270-SIM)	TPH-Diesel (NWPTH-Dx)	Herbicides (8151A)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Pesticides (1699M)	Metals (6020B) + Mercury (7471B)	TOC (9060)	DOC (A5310C)	TSS (SM2540D)
	Laboratory		ALS	ALS	ALS	ALS	ALS	SGS/CFA[1]	SGS/CFA[1]	ARI	SGS/ALS[1]	ALS/ARI	ALS	ALS	ALS
SIB-SW-WR15-102122	10/21/2022	15:25	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR186-102122	10/21/2022	15:42	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR198-102122	10/21/2022	14:50	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR34-102122	10/21/2022	15:05	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR428-102122	10/21/2022	16:48	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR71-102122	10/21/2022	14:31	x	x		x	x		x	x	x	x	x	x	x
SIB-SW-WR15-030923	03/09/2023	16:32	x	x		x	x	x	x	x	x	x	x		x
SIB-SW-WR186-030923	03/09/2023	16:26	x	x		x	x	x	x	x	x	x	x		x
SIB-SW-WR198-030923	03/09/2023	16:05	x	x		x	x		x	x	x	x	x		x
SIB-SW-WR34-030923	03/09/2023	16:53	x	x		x	x		x	x	x	x	x		x
SIB-SW-WR428-030923	03/09/2023	17:50	x	x		x	x		x	x	x	x	x		x
SIB-SW-WR71-030923	03/09/2023	18:20	x	x		x	x		x	x	x	x	x		x

Notes:

[1] HVS particulate and filtered analyses were analyzed by SGS; all others were analyzed by CFA, ARI, or ALS as indicated in the laboratory column.

2 Sample location was moved to outfall WR-34; however, the sample ID indicated in the laboratory analytical reports was inadvertently not corrected from WR30. Sample labelled WR428 is acutally outfall WR-253.

"CAR - ST" in the sample ID indicates whole or bulk water sample from 5-gallon carboy container during stormwater HVS.

"CAR - SE" in the sample ID indicates centrifuged solids sample from 5-gallon carboy container.

"FRONT" in the sample ID indicates a sample collected front half of HVS system consisting of the particulate phase collected on 0.45 micron glass fiber filters before the SGS polyurethane foam cartridge (PUF) assembly.

"BACK" in the sample ID indciates a sample collected from the back half of the HVS system consisting of a SGS PUF cartridge used to calculate dissolved phase concentrations.

"DRY" in the sample ID indicates dry season in-line sediment samples collected between May 2022 and November 2022

"WET" in the sample ID indicates wet season in-line sediment samples collected between January and May 2022 and November 2022 and June 2023

ALS = ALS Environmental
ARI = Analytical Resources, LLC
CFA = Cape Fear Analytical, LLC
DOC = dissolved organic carbon
HVS = high-volume sampling
ID = identification
ILS = in-line sediment
N/A = not applicable
NWTPH = Northwest method for total petroleum hydrocarbons
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
SGS = SGS North America
SOP = standard operating procedure
SVOC = semivolatile organic compound
TOC = total organic carbon
TPH = total petroleum hydrocarbon
TSS = total suspended solids
VOC = volatile organic compounds

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ATTACHMENT A.3
HVS SAMPLE LOG SUMMARY

Attachment A.3
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
City Basin M-1									
AAM107	5/5/2022	13:42	14:22	1500	60	15	N/A	1	
AAM107	5/5/2022	14:25	15:18	1500	79.5	15	1	2	
AAM107	5/5/2022	15:18	16:15	1500	85.5	15	2	3	
AAM107	5/5/2022			Total Volume:	225				
AAM107	10/21/2022	15:00	15:10	1500	15	18	N/A	1	
AAM107	10/21/2022	15:11	15:16	1500	7.5	15	1	2	
AAM107	10/21/2022	15:17	15:24	1500	10.5	15	2	3	
AAM107	10/21/2022	15:25	15:28	1500	4.5	20	3	4	
AAM107	10/21/2022	15:31	15:55	1500	36	15	4	5	
AAM107	10/21/2022	15:56	16:06	1500	15	15	5	6	
AAM107	10/21/2022	16:07	16:10	1500	4.5	15	6	7	
AAM107	10/21/2022	16:12	16:27	1500	22.5	15	7	8	
AAM107	10/21/2022	16:28	16:32	1500	6	15	8	9	
AAM107	10/21/2022	16:33	16:38	1500	7.5	15	9	10	
AAM107	10/21/2022	16:39	16:44	1500	7.5	15	10	11	
AAM107	10/21/2022	16:46	16:50	1500	6	15	11	12	
AAM107	10/21/2022	16:52	16:59	1500	10.5	15	12	13	
AAM107	10/21/2022	17:00	17:06	1500	9	15	13	14	
AAM107	10/21/2022	17:07	17:16	1500	13.5	15	14	15	
AAM107	10/21/2022	17:17	17:24	1500	10.5	15	15	16	
AAM107	10/21/2022	17:25	17:40	1500	22.5	15	16	17	
AAM107	10/21/2022	17:42	17:52	1500	15	15	17	18	
AAM107	10/21/2022	17:53	17:59	1500	9	15	18	19	
AAM107	10/21/2022	18:00	18:06	1500	9	15	19	20	
AAM107	10/21/2022			Total Volume:	241.5				
AAM107	3/9/2023	13:43	13:55	1500	18	18	N/A	1	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM107	3/9/2023	14:00	14:08	1500	12	15	1	2	
AAM107	3/9/2023	14:13	14:24	1500	16.5	15	2	3	
AAM107	3/9/2023	14:28	14:40	1500	18	20	3	4	
AAM107	3/9/2023	14:44	14:58	1500	21	15	4	5	Low flow from 15:00 to 15:45
AAM107	3/9/2023	15:48	15:52	1500	6	15	5	6	
AAM107	3/9/2023	16:01	16:16	1500	22.5	15	6	7	
AAM107	3/9/2023	16:20	16:50	1500	45	15	7	8	
AAM107	3/9/2023	16:54	17:05	1500	16.5	15	8	9	
AAM107	3/9/2023	17:09	17:19	1500	15	15	9	10	
AAM107	3/9/2023	17:23	17:31	1500	12	15	10	11	
AAM107	3/9/2023	17:31	17:35	1500	6	15	11	12	
AAM107	3/9/2023			Total Volume:	208.5				
City Basin M-2									
AAM169	5/5/2022	11:12	11:30	1500	27		N/A	1	
AAM169	5/5/2022	11:30	11:45	1500	22.5	15	1	2	
AAM169	5/5/2022	11:45	12:00	1500	22.5	15	2	3	
AAM169	5/5/2022	12:00	12:15	1500	22.5	15	3	4	
AAM169	5/5/2022	12:15	12:30	1500	22.5	15	4	5 & 6	
AAM169	5/5/2022	12:30	12:45	1500	22.5	15	5 & 6	7 & 8	
AAM169	5/5/2022	12:45	13:00	1500	22.5	15	7 & 8	9 & 10	
AAM169	5/5/2022	13:00	13:15	1500	22.5	15	9 & 10	11 & 12	
AAM169	5/5/2022	13:15	13:30	1500	22.5	15	11 & 12	13 & 14	
AAM169	5/5/2022	13:30	13:45	1500	22.5	15	13 & 14	15 & 16	
AAM169	5/5/2022	13:45	14:00	1500	22.5	15	15 & 16	17	
AAM169	5/5/2022	14:00	14:15	1500	22.5	15	17	18	
AAM169	5/5/2022	14:15	14:30	1500	22.5	15	18	19	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM169	5/5/2022	14:30	14:38	1500	12	15	19 & 20	20	
AAM169	5/5/2022			Total Volume:	309				
AAM169	10/21/2022	13:45	N/A	1500	N/A		N/A	1	Pump on, water not yet to filters
AAM169	10/21/2022	1350	N/A	1500	7.5		N/A	N/A	Start filtering
AAM169	10/21/2022	N/A	13:53	1500	4.5		N/A	N/A	Stop pumping and check filters
AAM169	10/21/2022	13:54	13:57	1500	4.5	15	1	2	Resume pumping
AAM169	10/21/2022	14:00	14:06	1500	9	15	2	3	
AAM169	10/21/2022	14:07	14:11	1500	6	15	3	4	
AAM169	10/21/2022	14:11	14:15	1500	6	15	4	5	
AAM169	10/21/2022	14:15	14:18	1500	4.5	15	5	6	
AAM169	10/21/2022	14:18	14:22	1500	6	15	6	7	
AAM169	10/21/2022	14:22	14:26	1500	6	15	7	8	
AAM169	10/21/2022	14:26	14:29	1500	4.5	15	8	9	
AAM169	10/21/2022	14:29	14:32	1500	4.5	15	9	10	
AAM169	10/21/2022	14:32	14:35	1500	4.5	15	10	11	
AAM169	10/21/2022	14:35	14:38	1500	4.5	15	11	12	
AAM169	10/21/2022	14:38	14:41	1500	4.5	15	12	13	
AAM169	10/21/2022	14:41	14:44	1500	4.5	15	13	14	
AAM169	10/21/2022	14:44	14:48	1500	6	15	14	15	
AAM169	10/21/2022	14:48	14:51	1500	4.5	15	15	16	
AAM169	10/21/2022	14:51	14:55	1500	6	15	16	17	
AAM169	10/21/2022	14:55	14:58	1500	4.5	15	17	18	
AAM169	10/21/2022	14:58	15:00	1500	3	15	18	19	
AAM169	10/21/2022	15:00	15:03	1500	4.5	15	19	20	
AAM169	10/21/2022	15:03	15:06	1500	4.5	15	20	21	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM169	10/21/2022	15:06	15:09	1500	4.5	15	21	22	
AAM169	10/21/2022	15:09	15:12	1500	4.5	15	22	23	
AAM169	10/21/2022	15:12	15:16	1500	6	15	23	24	
AAM169	10/21/2022	15:16	15:19	1500	4.5	15	24	25	
AAM169	10/21/2022	15:19	15:22	1500	4.5	15	25	26	
AAM169	10/21/2022	15:22	15:26	1500	6	15	26	27	
AAM169	10/21/2022	15:26	15:30	1500	6	15	27	28	
AAM169	10/21/2022	15:30	15:33	1500	4.5	15	28	29	
AAM169	10/21/2022	15:33	15:36	1500	4.5	15	29	30	
AAM169	10/21/2022	15:36	15:39	1500	4.5	15	30	31	
AAM169	10/21/2022	15:39	15:43	1500	6	15	31	32	
AAM169	10/21/2022	15:43	15:45	1500	3	15	32	33	
AAM169	10/21/2022	15:45	15:49	1500	6	15	33	34	
AAM169	10/21/2022	15:49	15:51	1500	3	15	34	35	
AAM169	10/21/2022	15:51	15:55	1500	6	15	35	36	
AAM169	10/21/2022	15:55	15:58	1500	4.5	15	36	37	
AAM169	10/21/2022	15:58	16:02	1500	6	15	37	38	
AAM169	10/21/2022	16:02	16:05	1500	4.5	15	38	39	
AAM169	10/21/2022	16:05	16:09	1500	6	15	39	40	
AAM169	10/21/2022	16:09	16:11	1500	3	15	40	41	
AAM169	10/21/2022	16:11	16:14	1500	4.5	15	41	42	
AAM169	10/21/2022	16:14	16:17	1500	4.5	15	42	43	
AAM169	10/21/2022	16:17	16:21	1500	6	15	43	44	
AAM169	10/21/2022	16:21	16:24	1500	4.5	15	44	45	
AAM169	10/21/2022	16:25	16:29	1500	6	15	45	46	
AAM169	10/21/2022	16:28	16:31	1500	4.5	15	46	47	
AAM169	10/21/2022	16:32	16:35	1500	4.5	15	47	48	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM169	10/21/2022	16:35	16:38	1500	4.5	15	48	49	
AAM169	10/21/2022			Total Volume:	250.5				
AAM169	3/9/2023	13:09	13:15	1500	9		N/A	1	
AAM169	3/9/2023	13:15	13:24	1500	13.5		N/A	N/A	
AAM169	3/9/2023	13:24	13:28	1500	6		N/A	N/A	
AAM169	3/9/2023	13:28	13:30	1500	3	15	1	2	pump off, reset
AAM169	3/9/2023	13:37	13:55	1500	27	15	2	3	
AAM169	3/9/2023	13:55	14:05	1500	15	15	4	5	
AAM169	3/9/2023	14:05	14:19	1500	21	15	5	6	
AAM169	3/9/2023	14:19	14:29	1500	15	15	6	7	
AAM169	3/9/2023	14:29	14:41	1500	18	15	7	8	
AAM169	3/9/2023	14:41	14:46	1500	7.5	15	8	9	
AAM169	3/9/2023	14:46	14:55	1500	13.5	15	9	10	
AAM169	3/9/2023	14:55	15:00	1500	7.5	15	10	11	
AAM169	3/9/2023	15:00	15:09	1500	13.5	15	11	12	
AAM169	3/9/2023	15:09	15:13	1500	6	15	12	13	
AAM169	3/9/2023	15:13	15:17	1500	6	15	13	14	
AAM169	3/9/2023	15:17	15:21	1500	6	15	14	15	
AAM169	3/9/2023	15:21	15:24	1500	4.5	15	15	16	
AAM169	3/9/2023	15:24	15:26	1500	3	15	16	17	
AAM169	3/9/2023	15:26	15:30	1500	6	15	17	18	
AAM169	3/9/2023	15:30	15:32	1500	3	15	18	19	
AAM169	3/9/2023	15:32	15:34	1500	3	15	19	20	
AAM169	3/9/2023	15:34	15:43	1500	13.5	15	20	21	
AAM169	3/9/2023	15:43	15:47	1500	6	15	21	22	
AAM169	3/9/2023	15:47	15:52	1500	7.5	15	22	23	
AAM169	3/9/2023	15:52	15:56	1500	6	15	23	24	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM169	3/9/2023	15:56	15:59	1500	4.5	15	24	25	
AAM169	3/9/2023	15:59	16:00	1500	1.5	15	25	26	
AAM169	3/9/2023	16:00	16:07	1500	10.5	15	26	27	
AAM169	3/9/2023	16:07	16:13	1500	9	15	27	28	
AAM169	3/9/2023	16:13	16:14	1500	1.5	15	28	29	
AAM169	3/9/2023	16:14	16:17	1500	4.5	15	29	30	
AAM169	3/9/2023	16:17	16:22	1500	7.5	15	30	31	
AAM169	3/9/2023			Total Volume:	279				
City Basin M-3									
AAQ005	5/5/2022	6:11	6:34	1500	34.5	15	N/A	1	
AAQ005	5/5/2022	6:34	6:48	1500	21	15	1	2 & 3	
AAQ005	5/5/2022	6:48	7:01	1500	19.5	15	2 & 3	4	
AAQ005	5/5/2022	7:01	7:14	1500	19.5	15	4	5	
AAQ005	5/5/2022	7:14	7:30	1500	24	15	5	6	
AAQ005	5/5/2022	7:30	7:46	1500	24	15	6	7	
AAQ005	5/5/2022	7:46	7:56	1500	15	15	7	8	
AAQ005	5/5/2022	7:56	8:15	1500	28.5	15	8	9	
AAQ005	5/5/2022	8:15	8:28	1500	19.5	15	9	10	
AAQ005	5/5/2022	8:28	8:45	1500	25.5	15	10	11	
AAQ005	5/5/2022	8:45	9:13	1500	42	15	11	12	
AAQ005	5/5/2022	9:13	9:38	1500	37.5	15	12	13	
AAQ005	5/5/2022			Total Volume:	310.5				
AAQ005	10/21/2022	12:56	12:58	1500	3	15	N/A	1	
AAQ005	10/21/2022	12:59	13:01	1500	3	15	1	2	
AAQ005	10/21/2022	13:03	13:06	1500	4.5	15	2	3	
AAQ005	10/21/2022	13:07	13:10	1500	4.5	16	3	4	
AAQ005	10/21/2022	13:12	13:14	1500	3	15	4	5	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAQ005	10/21/2022	13:14	13:16	1500	3	15	5	6	
AAQ005	10/21/2022	13:16	13:21	1500	7.5	15	6	7	
AAQ005	10/21/2022	13:21	13:25	1500	6	16	7	8	
AAQ005	10/21/2022	13:25	13:28	1500	4.5	15	8	9	
AAQ005	10/21/2022	13:28	13:32	1500	6	15	9	10	
AAQ005	10/21/2022	13:32	13:38	1500	9	15	10	11	
AAQ005	10/21/2022	13:38	13:46	1500	12	16	11	12	
AAQ005	10/21/2022	13:46	13:54	1500	12	15	12	13	
AAQ005	10/21/2022	13:54	14:08	1500	21	15	13	14	
AAQ005	10/21/2022	14:08	14:31	1500	34.5	15	14	15	
AAQ005	10/21/2022	14:31	14:38	1500	10.5	16	15	16	
AAQ005	10/21/2022	14:38	14:49	1500	16.5	15	16	17	
AAQ005	10/21/2022	14:49	15:05	1500	24	15	17	18	
AAQ005	10/21/2022	15:05	15:15	1500	15	15	18	19	
AAQ005	10/21/2022	15:15	15:26	1500	16.5	16	19	20	
AAQ005	10/21/2022	15:26	15:48	1500	33	15	20	21	
AAQ005	10/21/2022	15:48	15:50	1500	3	15	21	22	
AAQ005	10/21/2022	15:50	15:52	1500	3	15	22	23	
AAQ005	10/21/2022			Total Volume:	252				
AAQ005	3/9/2023	12:55	12:59	1500	6	14	N/A	1	
AAQ005	3/9/2023	12:59	13:06	1500	10.5	15	1	N/A	
AAQ005	3/9/2023	13:06	13:08	1500	3	15	2	2	
AAQ005	3/9/2023	13:08	13:14	1500	9	14	3	3	
AAQ005	3/9/2023	13:14	13:17	1500	4.5	15	4	4	
AAQ005	3/9/2023	13:17	13:19	1500	3	15	5	5	
AAQ005	3/9/2023	13:19	13:27	1500	12	15	6	6	
AAQ005	3/9/2023	13:27	13:33	1500	9	14	7	7	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAQ005	3/9/2023	13:33	13:34	1500	1.5	15	8	8	
AAQ005	3/9/2023	13:34	13:38	1500	6	15	9	9	
AAQ005	3/9/2023	13:38	13:47	1500	13.5	15	10	10	
AAQ005	3/9/2023	13:47	13:56	1500	13.5	14	11	11	
AAQ005	3/9/2023	13:58	14:03	1500	7.5	15	12	12	
AAQ005	3/9/2023	14:03	14:10	1500	10.5	15	13	13	
AAQ005	3/9/2023	14:10	14:18	1500	12	15	14	14	
AAQ005	3/9/2023	14:18	14:31	1500	19.5	14	15	15	
AAQ005	3/9/2023	14:31	14:42	1500	16.5	15	16	16	Pause pump, wait for flow
AAQ005	3/9/2023	16:05	16:15	1500	15	15	17	17	
AAQ005	3/9/2023	16:15	16:22	1500	10.5	15	18	18	
AAQ005	3/9/2023	16:22	16:30	1500	12	14	19	19	
AAQ005	3/9/2023	16:30	16:36	1500	9	15	20	20	
AAQ005	3/9/2023	16:36	16:41	1500	7.5	14	21	21	
AAQ005	3/9/2023	16:41	16:48	1500	10.5	14	22	22	
AAQ005	3/9/2023			Total Volume:	222				
City Basin S-1									
AAM131	5/5/2022	6:25	6:40	1500	22.5	15	N/A	1	
AAM131	5/5/2022	6:40	6:55	1500	22.5	15	1	2	
AAM131	5/5/2022	6:55	7:10	1500	22.5	15	2	3	
AAM131	5/5/2022	7:10	7:25	1500	22.5	15	3	4	
AAM131	5/5/2022	7:25	7:40	1500	22.5	15	4	5	
AAM131	5/5/2022	7:40	7:55	1500	22.5	15	5	6	
AAM131	5/5/2022	7:55	8:10	1500	22.5	15	6	7	
AAM131	5/5/2022	8:10	8:25	1500	22.5	15	7	8	
AAM131	5/5/2022	8:25	8:40	1500	22.5	15	8	9	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM131	5/5/2022	8:40	8:55	1500	22.5	15	9	10	
AAM131	5/5/2022	8:55	9:10	1500	22.5	15	10	11	
AAM131	5/5/2022	9:10	9:25	1500	22.5	15	11	12	
AAM131	5/5/2022			Total Volume:	270				
AAM131	10/21/2022	14:10	14:12	1500	3	15	N/A	1	Pump fault
AAM131	10/21/2022	14:19	14:33	1500	21	15	1	2	
AAM131	10/21/2022	14:34	14:39	1500	7.5	15	2	3	
AAM131	10/21/2022	14:40	15:01	1500	31.5	15	3	4	
AAM131	10/21/2022	15:02	15:31	1500	43.5	15	4	5	Pump fault
AAM131	10/21/2022	15:32	15:45	1500	19.5	15	5	6	
AAM131	10/21/2022	15:47	16:03	1500	24	15	6	7	
AAM131	10/21/2022	16:04	16:20	1500	24	15	7	8	
AAM131	10/21/2022	16:21	16:39	1500	27	15	8	9	Tear in pre-filter
AAM131	10/21/2022	16:40	16:59	1500	28.5	15	9	10	
AAM131	10/21/2022	17:02	17:22	1500	30	15	10	11	
AAM131	10/21/2022	17:24	17:32	1500	12	15	11	12	
AAM131	10/21/2022			Total Volume:	271.5				
AAM131	3/9/2023	15:59	16:27	1500	42	15	N/A	1	
AAM131	3/9/2023	16:27	16:37	1500	15	15	1	2	
AAM131	3/9/2023	16:37	16:47	1500	15	15	2	3	
AAM131	3/9/2023	16:47	16:56	1500	13.5	15	3	4	
AAM131	3/9/2023	16:56	17:05	1500	13.5	15	4	5	
AAM131	3/9/2023	17:05	17:15	1500	15	15	5	6	
AAM131	3/9/2023	17:15	17:26	1500	16.5	15	6	7	
AAM131	3/9/2023	17:26	17:38	1500	18	15	7	8	
AAM131	3/9/2023	17:38	17:51	1500	19.5	15	8	9	
AAM131	3/9/2023	17:51	18:03	1500	18	15	9	10	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAM131	3/9/2023	18:03	18:21	1500	27	15	10	11	
AAM131	3/9/2023	18:21	18:32	1500	16.5	8	11	12	
AAM131	3/9/2023			Total Volume:	229.5				
City Basin S-2									
AAP957	5/5/2022	13:35	13:50	1500	22.5	15	N/A	1	
AAP957	5/5/2022	13:50	14:05	1500	22.5	15	2 & 3	2 & 3	
AAP957	5/5/2022	14:05	14:20	1500	22.5	15	4 & 5	4 & 5	
AAP957	5/5/2022	14:20	14:35	1500	22.5	15	6 & 7	6 & 7	
AAP957	5/5/2022	14:35	14:50	1500	22.5	15	8 & 9	8 & 9	
AAP957	5/5/2022	14:50	15:05	1500	22.5	15	10 & 11	10 & 11	
AAP957	5/5/2022	15:05	15:20	1500	22.5	15	12	12	
AAP957	5/5/2022	15:20	15:35	1500	22.5	15	13	13	
AAP957	5/5/2022	15:35	15:50	1500	22.5	15	14	14	
AAP957	5/5/2022	15:50	16:05	1500	22.5	15	15	15	Pause pump for sample collection
AAP957	5/5/2022	16:25	16:40	1500	22.5	15	16	16	
AAP957	5/5/2022	16:40	16:55	1500	22.5	15	17	17	
AAP957	5/5/2022			Total Volume:	270				
AAP957	10/21/2022	13:06	13:11	1500	7.5	15	1	1	
AAP957	10/21/2022	13:13	13:14	1500	1.5	15	2	2	
AAP957	10/21/2022	13:15	13:18	1500	4.5	15	3	3	
AAP957	10/21/2022	13:19	13:25	1500	9	15	4	4	
AAP957	10/21/2022	13:27	13:33	1500	9	15	5	5	
AAP957	10/21/2022	13:35	13:39	1500	6	15	6	6	
AAP957	10/21/2022	13:40	13:45	1500	7.5	15	7	7	
AAP957	10/21/2022	13:46	13:51	1500	7.5	15	8	8	
AAP957	10/21/2022	13:53	13:57	1500	6	15	9	9	

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAP957	10/21/2022	14:00	14:05	1500	7.5	15	10	10	
AAP957	10/21/2022	14:10	14:12	1500	3	15	11	11	
AAP957	10/21/2022	14:13	14:14	1500	1.5	15	12	12	
AAP957	10/21/2022	15:15	14:18	1500	4.5	15	13	13	
AAP957	10/21/2022	14:20	14:23	1500	4.5	15	14	14	
AAP957	10/21/2022	14:26	14:29	1500	4.5	15	15	15	
AAP957	10/21/2022	14:31	14:33	1500	3	15	16	16	
AAP957	10/21/2022	14:33	14:39	1500	9	15	17	17	
AAP957	10/21/2022	14:40	14:42	1500	3	15	18	18	
AAP957	10/21/2022	14:45	14:47	1500	3	15	19	19	
AAP957	10/21/2022	14:49	14:52	1500	4.5	15	20	20	
AAP957	10/21/2022	14:54	14:57	1500	4.5	15	21	21	
AAP957	10/21/2022	14:59	15:03	1500	6	15	22	22	
AAP957	10/21/2022	15:05	15:08	1500	4.5	15	23	23	
AAP957	10/21/2022	15:12	15:13	1500	1.5	15	24	24	
AAP957	10/21/2022	15:25	15:27	1500	3	15	25	25	
AAP957	10/21/2022	15:42	15:48	1500	9	15	26	26	
AAP957	10/21/2022	15:50	15:55	1500	7.5	15	27	27	
AAP957	10/21/2022	15:57	16:04	1500	10.5	15	28	28	
AAP957	10/21/2022	16:06	16:13	1500	10.5	15	29	29	
AAP957	10/21/2022	16:15	16:22	1500	10.5	15	30	30	
AAP957	10/21/2022	16:24	16:32	1500	12	15	31	31	
AAP957	10/21/2022	16:34	16:41	1500	10.5	15	32	32	
AAP957	10/21/2022	16:43	16:50	1500	10.5	15	33	33	
AAP957	10/21/2022	16:53	16:59	1500	9	15	34	34	
AAP957	10/21/2022	17:00	17:15	1500	22.5	15	35	35	
AAP957	10/21/2022			Total Volume:	238.5				

Attachment A.3 (continued)
HVS Sample Log Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Pump On (Start Time)	Pump On (Start Time)	Pump Off (End Time)	Flow Rate (mL/min)	Volume Sampled (L) (Pump time x Flow Rate)	Pressure (15N/A20 psi)	Filter Change #	Filter ID #	Comments
AAP957	3/9/2023	16:36	16:44	1500	12	15	1	2	
AAP957	3/9/2023	16:44	16:51	1500	10.5	15	2	3	
AAP957	3/9/2023	16:51	17:08	1500	25.5	15	3	4	
AAP957	3/9/2023	17:08	17:13	1500	7.5	15	4	5	
AAP957	3/9/2023	17:13	17:19	1500	9	15	5	6	
AAP957	3/9/2023	17:19	17:23	1500	6	15	6	7	
AAP957	3/9/2023	17:23	17:30	1500	10.5	15	7	8	
AAP957	3/9/2023	17:30	17:40	1500	15	15	8	9	
AAP957	3/9/2023	17:40	17:48	1500	12	15	9	10	
AAP957	3/9/2023	17:48	18:00	1500	18	15	10	11	
AAP957	3/9/2023	18:00	18:09	1500	13.5	15	11	12	
AAP957	3/9/2023	18:09	18:18	1500	13.5	15	12	13	
AAP957	3/9/2023	18:18	18:26	1500	12	15	13	14	
AAP957	3/9/2023	18:26	18:38	1500	18	15	14	15	
AAP957	3/9/2023	18:38	18:50	1500	18	15	15	16	
AAP957	3/9/2023	18:50	19:03	1500	19.5	15	16	17	
AAP957	3/9/2023			Total Volume:	220.5				

Notes:

= number

L = liter

mL/min = milliliter per minute

ID = identification

N/A = not applicable

psi = pounds per square inch

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ATTACHMENT A.4
HVS FIELD PARAMETERS COLLECTION SUMMARY

Attachment A.4
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
City Basin M-1												
AAM107	5/5/2022	13:42	13.30	6.20	11.37	57.8	188	143	2.291	13:42	13:48	1
AAM107	5/5/2022	14:06	13.00	6.52	11.05	52	160	135	2.778	14:06	14:10	1
AAM107	5/5/2022	14:21	13.75	6.68	10.90	28.1	128	105	2.473	14:21	14:38	1
AAM107	5/5/2022	14:38	14.05	6.68	10.80	23.2	142	121	2.242	14:38	14:52	1
AAM107	5/5/2022	14:52	14.20	6.66	10.51	20.1	138	115	2.78	14:52	15:09	1
AAM107	5/5/2022	15:07	14.10	6.70	10.40	-20.2	249	208	2.473	15:07	15:22	1
AAM107	5/5/2022	15:22	14.20	6.75	10.30	-28.3	300	271	2.779	15:22	15:37	1
AAM107	5/5/2022	15:37	14.30	6.80	10.12	-31.2	353	287	2.497	15:37	15:52	1
AAM107	5/5/2022	15:52	14.30	6.79	9.20	-36.8	394	321	2.376	15:52	16:15	1
AAM107	5/5/2022									Total Volume (gallons):		9
AAM107	10/21/2022	15:11	13.14	6.87	10.83	-111.6	129	130	2.315	15:11	15:14	1
AAM107	10/21/2022	15:31	13.12	6.81	10.86	-98.4	114	127	2.873	15:31	15:17	1
AAM107	10/21/2022	15:45	13.06	6.78	10.89	-15.4	138	115	2.497	15:45	15:47	1
AAM107	10/21/2022	16:02	12.9	6.79	10.78	-28.2	118	138	4.594	16:02	16:04	1
AAM107	10/21/2022	16:17	12.95	6.77	10.74	-14.7	125	114	2.255	16:17	16:20	1
AAM107	10/21/2022	16:33	12.81	6.71	10.86	-65.1	131	112	1.758	16:33	16:35	1
AAM107	10/21/2022	16:46	12.6	6.66	10.84	-40.9	122	103	1.891	16:46	16:49	1
AAM107	10/21/2022	17:00	12.44	6.72	10.89	-18.6	147	97	2.085	17:00	17:02	1
AAM107	10/21/2022	17:17	12.3	6.65	10.88	-17.2	112	101	1.515	17:17	17:20	1
AAM107	10/21/2022	17:26	12.47	6.6	11.07	-28.3	96	89	1.576	17:26	17:29	1
AAM107	10/21/2022	17:42	12.4	6.64	11.03	-6.1	98	68	1.297	17:42	17:45	1
AAM107	10/21/2022	18:00	12.51	6.67	10.98	-17.3	91	51	1.03	18:00	18:02	1
AAM107	10/21/2022									Total Volume (gallons):		12
AAM107	3/9/2023	14:03	9.301	6.87	11.83	-221.4	252	57.16	0.352	14:03	14:05	1
AAM107	3/9/2023	14:18	9.592	6.81	11.51	199.4	249	51.29	1.045	14:18	14:20	1
AAM107	3/9/2023	14:33	9.069	6.78	11.89	-206.4	221.8	35.36	1.388	14:33	14:35	1
AAM107	3/9/2023	14:48	8.898	6.79	11.86	-208.2	219	31.4	0.376	14:48	14:50	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAM107	3/9/2023	15:51	8.509	6.77	10.71	-213.7	217	32.17	2.497	15:51	15:53	2
AAM107	3/9/2023	16:06	8.333	6.71	10.16	-215.1	219.9	35.26	1.458	16:06	16:08	1
AAM107	3/9/2023	16:21	8.553	6.66	10.24	-204.9	189.9	47.41	1.412	16:21	16:23	1
AAM107	3/9/2023	16:36	7.719	6.72	10.19	-198.6	169.6	50.75	1.403	16:36	16:38	1
AAM107	3/9/2023	16:51	7.704	6.65	9.88	-187.2	124.1	57.25	0.876	16:51	16:53	1
AAM107	3/9/2023	17:06	7.194	6.6	9.07	-188.3	131.8	51.39	0.988	17:06	17:08	1
AAM107	3/9/2023	17:21	7.193	6.64	9.03	-176.1	97.1	55.1	1.244	17:21	17:23	1
AAM107	3/9/2023									Total Volume (gallons):		12
City Basin M-2												
AAM169	5/5/2022	11:16	12.15	6.44	9.48	-9.2	163.6	12.44	1.139	11:12	11:13	1
AAM169	5/5/2022	11:29	12.51	6.57	8.76	-14.9	169.1	11.52	1.115	11:27	11:30	1
AAM169	5/5/2022	11:43	12.61	6.59	9.13	-15.7	166.9	11.36	1.042	11:42	11:45	1
AAM169	5/5/2022	11:58	12.58	6.58	9.04	-15.5	154.2	12.62	1.188	11:57	12:00	1
AAM169	5/5/2022	12:12	12.76	6.63	9.62	-17.8	127.5	17.21	1.745	12:11	12:14	1
AAM169	5/5/2022	12:27	13.29	6.65	9.89	-19	75.5	26.98	2.194	12:27	12:30	1
AAM169	5/5/2022	12:45	13.25	6.66	10.14	-19.8	49.9	36.4	2.085	12:43	12:46	1
AAM169	5/5/2022	13:00	13.08	6.61	10.25	-17.2	43.8	24.47	2.267	13:00	13:03	1
AAM169	5/5/2022	13:15	13.49	6.55	10.2	-13.7	36.1	29.27	2.279	13:13	13:16	1
AAM169	5/5/2022	13:30	13.46	6.56	10.19	-14	34.8	28.55	2.23	13:28	13:31	1
AAM169	5/5/2022	13:45	13.5	6.5	10.19	-11.1	33.8	24.66	2.267	13:42	13:45	1
AAM169	5/5/2022	14:00	13.26	6.51	10.25	-11.8	33.5	22.97	1.903	14:02	14:05	1
AAM169	5/5/2022	14:15	13.47	6.45	10.1	-9.1	49.6	12.35	1.503	14:17	14:20	1
AAM169	5/5/2022	14:30	13.67	6.53	9.8	-12.8	61	10.3	1.188	14:32	14:35	1
AAM169	5/5/2022									Total Volume (gallons):		14
AAM169	10/21/2022	14:12	14.3	6.97	7.37	-	679.7	64.22	1.321	13:45	13:55	2
AAM169	10/21/2022	14:25	14.5	9.96	7.6	-	271.6	86.77	1.37	14:12	14:15	1
AAM169	10/21/2022	14:41	14.55	6.93	7.36	-	178.5	322	1.77	14:25	14:28	1
AAM169	10/21/2022	14:57	13	6.89	7.92	-	171.8	305	1.576	14:41	14:43	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAM169	10/21/2022	15:10	13.07	6.92	8.05	-	139.8	431.3	1.527	14:57	14:59	1
AAM169	10/21/2022	15:28	13.07	6.9	7.97	-	130.1	414.38	2.061	15:10	15:13	1
AAM169	10/21/2022	15:42	12.39	6.91	7.03	-	110.5	415	1.964	15:28	15:30	1
AAM169	10/21/2022	15:57	12.95	6.95	9.46	-	94.7	328.27	1.818	15:42	15:45	1
AAM169	10/21/2022	16:09	13.05	6.69	9.61	-	81.5	337.33	2.17	15:57	16:00	1
AAM169	10/21/2022	16:23	12.63	6.89	9.83	-	60.7	238.66	2.085	16:09	16:12	1
AAM169	10/21/2022	16:37	12.33	6.92	10.14	-	59.5	191.46	1.612	16:23	16:25	1
AAM169	10/21/2022										Total Volume (gallons):	12
AAM169	3/9/2023	13:19	8.4	6.48	11.57	-135	142	-	0.582	13:19	13:21	1
AAM169	3/9/2023	13:46	8.4	6.47	11.54	-108.4	192	-	0.497	13:46	13:48	2
AAM169	3/9/2023	14:03	8.5	6.44	11.35	-266	226	-	0.533	14:03	14:05	1
AAM169	3/9/2023	14:20	8.7	6.92	11.04	-324.7	264	-	0.521	14:20	14:22	1
AAM169	3/9/2023	14:30	8.9	6.86	11.36	-341	260	-	0.558	14:30	14:32	1
AAM169	3/9/2023	14:45	8.9	7.03	10.2	-374.3	256	-	1.273	14:45	14:47	1
AAM169	3/9/2023	15:05	9.78	7.11	10.1	407.4	356	-	1.212	15:05	15:07	1
AAM169	3/9/2023	15:17	9.6	7.57	10.44	-382.8	370	-	1.017	15:17	15:18	1
AAM169	3/9/2023	15:29	10.01	6.75	10.6	-375.4	370	-	1.103	15:29	15:31	1
AAM169	3/9/2023	15:47	8.98	8.01	9.3	-388.4	395	-	1.636	15:47	15:49	1
AAM169	3/9/2023	16:05	9.48	7.05	8.86	-387.4	399	-	1.224	16:05	16:07	1
AAM169	3/9/2023	16:17	9.7	6.64	10.02	-372.3	367	-	0.958	16:17	16:19	1
AAM169	3/9/2023										Total Volume:	13
City M-3 Basin												
AAQ005	5/5/2022	6:15	11.82	6.4	10.61	-22.6	69.3	37.33	2.339	6:10	6:12	1
AAQ005	5/5/2022	6:30	11.05	6.8	10.87	-19.8	50.3	51.72	3.636	6:25	6:28	1
AAQ005	5/5/2022	6:46	11.84	6.7	10.7	-21.5	65.6	17	2.667	6:42	6:44	1
AAQ005	5/5/2022	7:07	11.06	6.65	11.06	-19.6	55.3	18.04	2.727	6:58	7:00	1
AAQ005	5/5/2022	7:24	10.84	6.69	11.00	-24	44.1	16.79	2.655	7:18	7:20	1
AAQ005	5/5/2022	7:35	10.76	6.65	11.06	-20.4	29.5	14.99	3.067	7:35	7:37	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAQ005	5/5/2022	7:55	10.54	6.75	11.13	-19.2	33.1	23.87	3.297	7:50	7:52	1
AAQ005	5/5/2022	8:13	10.5	6.67	11.19	-18.3	29	14.76	3.964	8:08	8:10	1
AAQ005	5/5/2022	8:28	10.62	6.64	11.13	-15.5	19.5	11.03	3.455	8:23	8:25	1
AAQ005	5/5/2022	8:40	10.53	6.63	11.18	-14.4	18	11.47	3.455	8:39	8:41	1
AAQ005	5/5/2022	8:56	10.45	6.57	11.23	-14.6	24.5	11.63	4.494	8:55	8:58	1
AAQ005	5/5/2022	9:13	10.48	6.55	11.17	-14.4	23.6	11.42	6.642	9:12	9:15	1
AAQ005	5/5/2022	9:28	10.55	6.55	11.12	-14.1	23.1	11.06	5.518	9:27	9:38	1
AAQ005	5/5/2022									Total Volume (gallons):		13
AAQ005	10/21/2022	12:56	15.37	8.7	12.29	-86	248	193	1.588	12:56	12:58	1
AAQ005	10/21/2022	13:10	15.45	6.88	6.31	-15	195	130	1.382	13:10	13:13	1
AAQ005	10/21/2022	13:21	15.4	6.82	5.21	-22	173	106	1.624	13:21	13:23	1
AAQ005	10/21/2022	13:34	15.43	6.6	6.11	-21	156	82.1	2.279	13:34	13:37	1
AAQ005	10/21/2022	13:46	15.42	6.3	7.99	-13	154	73.6	2.436	13:46	13:49	1
AAQ005	10/21/2022	13:59	14.93	6.97	6.58	-50	143	56.4	3.891	13:59	14:01	1
AAQ005	10/21/2022	14:14	14.65	6.41	11.41	-6	129	53.6	3.685	14:14	14:17	1
AAQ005	10/21/2022	14:28	14.34	6.49	11.89	-109	119	57.7	4.618	14:28	14:31	1
AAQ005	10/21/2022	14:42	13.94	6.35	11.39	-29	104	64	6.776	14:42	14:45	1
AAQ005	10/21/2022	14:56	13.59	6.35	11.26	-38	90	65.5	5.139	14:56	14:59	1
AAQ005	10/21/2022	15:10	13.59	6.36	11.41	-93	68	67.2	7.321	15:10	15:13	1
AAQ005	10/21/2022	15:25	13.57	6.31	11.59	-84	64	63.9	9.358	15:25	15:28	1
AAQ005	10/21/2022	15:39	13.58	6.31	11.34	-78	63	62.9	8.352	15:39	15:41	1
AAQ005	10/21/2022	15:52	13.52	6.34	11.16	-76	62	61.4	9.915	15:52	15:55	1
AAQ005	10/21/2022									Total Volume (gallons):		14
AAQ005	3/9/2023	12:59	8.267	12.19	11.95	-186	82	63.82	1.685	12:59	13:01	1
AAQ005	3/9/2023	13:16	8.458	11.69	11.62	-192	86.4	56.85	1.164	13:16	13:18	1
AAQ005	3/9/2023	13:28	8.344	11.62	11.57	-199	87.3	54.5	1.624	13:28	13:30	1
AAQ005	3/9/2023	13:40	8.558	11.45	11.45	-195	88.9	51.89	2.236	13:40	13:42	1
AAQ005	3/9/2023	13:49	8.807	11.33	11.49	-202	90.6	49.54	1.965	13:49	13:51	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAQ005	3/9/2023	14:00	9.053	11.5	11.17	-203	138.4	43.76	1.224	14:00	14:02	1
AAQ005	3/9/2023	14:08	9.017	11.63	11.03	-211	95.4	43	1.445	14:08	14:10	1
AAQ005	3/9/2023	14:18	9.012	11.65	11.06	-209	130.4	43.16	0.961	14:18	14:20	1
AAQ005	3/9/2023	14:31	9.091	11.55	11.1	-203	130.6	43.2	0.836	14:31	14:33	1
AAQ005	3/9/2023	16:05	8.08	11.24	11.37	-187	138.4	50.31	0.744	16:05	16:07	1
AAQ005	3/9/2023	16:15	9.22	11.13	11.14	-188	120.3	48.34	1.648	16:15	16:17	1
AAQ005	3/9/2023	16:22	9.3	11.31	11.99	-195	119.6	60.4	2.033	16:22	16:25	1
AAQ005	3/9/2023	16:30	9.36	11.3	11.38	-201	80.3	64.36	2.149	16:30	16:32	1
AAQ005	3/9/2023	16:36	9.41	11.31	11.62	-213	52.9	61.3	1.996	16:36	16:38	1
AAQ005	3/9/2023	16:41	9.48	11.25	11.6	-205	34.5	51.3	1.544	16:41	16:43	1
AAQ005	3/9/2023	16:48	9.55	11.31	11.55	-211	80.3	42.3	1.251	16:48	16:50	1
AAQ005	3/9/2023									Total Volume (gallons):		16
City S-1 Basin												
AAM131	5/5/2022	6:40	10.69	-	99.2	-86.8	22.6	3.91	1.645	6:35	6:37	1
AAM131	5/5/2022	6:55	10.21	-	99	-80.2	10.3	3.86	1.406	6:50	6:52	1
AAM131	5/5/2022	7:10	9.97	-	98.9	-130.2	9.2	2.84	1.782	7:08	7:10	1
AAM131	5/5/2022	7:25	9.86	-	98.9	-123.1	8.4	2.98	1.685	7:20	7:22	1
AAM131	5/5/2022	7:40	9.63	-	98.9	-122.9	7.5	4.27	1.903	7:38	7:40	1
AAM131	5/5/2022	7:55	9.58	-	98.8	-118.4	6.6	3.64	1.867	7:51	7:53	1
AAM131	5/5/2022	8:10	9.49	-	98.1	-124.3	6.1	4.81	2.048	8:08	8:10	1
AAM131	5/5/2022	8:25	9.61	-	98.5	-124.5	5.4	3.7	2.533	8:23	8:25	1
AAM131	5/5/2022	8:40	9.60	-	99.3	-125	5.1	3.7	2.279	8:37	8:37	1
AAM131	5/5/2022	8:55	9.60	-	99.1	-126.1	5.5	5.9	1.988	8:51	8:53	1
AAM131	5/5/2022	9:10	9.70	-	98.2	-122.8	19.3	4.7	2.352	9:08	9:10	1
AAM131	5/5/2022	9:25	9.70	-	98.2	-118.2	25	4.6	2.424	9:23	9:25	1
AAM131	5/5/2022									Total Volume (gallons):		12
AAM131	10/21/2022	14:35	12.7	7.1	50.67	-86.8	91	25.3	1.418	14:34	14:36	1
AAM131	10/21/2022	14:55	12.28	6.86	51.33	-80.2	90	38.9	1.382	14:55	14:57	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area,
Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAM131	10/21/2022	15:10	12.2	6.83	51.56	-130.2	79	56.4	1.422	15:10	15:12	1
AAM131	10/21/2022	15:25	12.1	6.91	51.79	-123.1	42	17.7	1.527	15:26	15:28	1
AAM131	10/21/2022	15:41	11.68	6.78	52.02	-122.9	33	15.6	1.576	15:42	15:45	1
AAM131	10/21/2022	15:58	11.8	6.65	11.6	-118.4	34	31	1.915	15:59	16:02	1
AAM131	10/21/2022	16:13	11.78	6.64	11.57	-124.3	30	51.9	1.879	16:13	16:16	1
AAM131	10/21/2022	16:28	11.81	6.52	11.55	-124.5	44	53	1.988	16:28	16:31	1
AAM131	10/21/2022	16:42	11.7	6.62	11.59	-125	26	0.3	1.976	16:42	16:45	1
AAM131	10/21/2022	16:58	11.8	6.61	11.58	-126.1	25	37.7	1.636	16:58	17:02	1
AAM131	10/21/2022	17:18	11.85	6.59	11.55	-122.8	65	32.7	1.503	17:18	17:22	1
AAM131	10/21/2022	17:32	11.78	6.64	11.54	-118.2	24	8.2	1.321	17:33	17:35	1
AAM131	10/21/2022										Total Volume (gallons):	12
AAM131	3/9/2023	16:14	6.6	8.68	12.98	41.3	89	17.2	0.821	16:14	16:16	2
AAM131	3/9/2023	16:31	6.3	8.09	13.02	45.3	65	21.3	0.445	16:31	16:33	1
AAM131	3/9/2023	16:48	6.1	7.46	13.05	52.3	35	19	0.865	16:48	16:50	1
AAM131	3/9/2023	17:03	6.2	7.81	13.05	51.1	48	38.4	1.663	17:03	17:05	1
AAM131	3/9/2023	17:18	6.3	8.4	12.98	30.2	38	44.3	1.965	17:18	17:20	2
AAM131	3/9/2023	17:30	6.39	8.27	12.94	33.9	32	32.8	1.998	17:30	17:32	1
AAM131	3/9/2023	17:44	6.3	7.88	12.94	25.9	18	23.1	1.688	17:44	17:46	1
AAM131	3/9/2023	17:59	5.7	7.42	13.2	43	33	22	1.291	17:59	18:01	1
AAM131	3/9/2023	18:17	6	8.21	13.08	33.4	17	19.3	1.211	18:17	18:19	2
AAM131	3/9/2023										Total Volume (gallons):	12
City S-2 Basin												
AAP957	5/5/2022	13:50	13.03	-	96.8	-	13.5	30.5	6.23	13:46	13:48	1
AAP957	5/5/2022	14:05	13.1	-	96.8	-	12.9	43.51	5.503	14:00	14:02	1
AAP957	5/5/2022	14:20	13.02	-	95.9	-	13.1	60.57	4.606	14:16	14:18	1
AAP957	5/5/2022	14:35	13.26	-	96.4	-	14.3	88.43	4.303	14:32	14:34	1
AAP957	5/5/2022	14:50	13.39	-	96.1	-	15.1	97.7	3.067	14:46	14:48	1
AAP957	5/5/2022	15:05	13.55	-	95.7	-	15.5	88.93	0.691	15:01	15:03	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAP957	5/5/2022	15:20	13.65	-	94.7	-	15.3	65.33	0.618	15:15	15:18	1
AAP957	5/5/2022	15:35	13.88	-	97.3	-	15.4	57.91	0.582	15:30	15:32	1
AAP957	5/5/2022	15:50	13.81	-	97	-	16.1	43.66	0.63	15:45	15:47	1
AAP957	5/5/2022	16:40	14.18	-	95.9	-	19.2	43.64	1.697	16:35	16:37	1
AAP957	5/5/2022	16:55	14.29	-	96.1	-	22.3	46.85	3.91	16:50	16:53	1
AAP957	5/5/2022										Total Volume (gallons):	11
AAP957	10/21/2022	13:25	15.5	8.89	9.51	-375.5	157	30.04	4.242	13:20	13:25	1
AAP957	10/21/2022	13:45	15.7	8.74	9.35	-367	130.4	25.6	3.358	13:30	13:45	1
AAP957	10/21/2022	14:00	15.1	8.72	10.25	-387	123.3	23.3	2.594	13:55	14:00	1
AAP957	10/21/2022	14:13	14.8	8.83	9.61	-374	122.2	19.07	3.103	14:09	14:13	1
AAP957	10/21/2022	14:29	14.6	8.72	9.79	-365.6	107.1	23.6	4.509	14:26	14:31	1
AAP957	10/21/2022	14:46	14.5	8.64	10.07	-360	88.5	23.5	5.176	14:44	14:47	1
AAP957	10/21/2022	15:04	14	8.92	10.1	-378	57.8	24.46	5.297	15:00	15:05	1
AAP957	10/21/2022	15:22	13.8	8.73	10.38	-365.8	57.3	19.92	5.818	15:17	15:22	1
AAP957	10/21/2022	15:40	13.29	8.44	10.45	346.3	46.6	16.93	5.564	15:36	15:41	1
AAP957	10/21/2022	15:58	13.1	8.28	10.57	-336.1	39.7	18.06	6.242	15:54	15:59	1
AAP957	10/21/2022	16:14	12.7	8.06	10.65	-322	27.8	18.4	6.17	16:10	16:15	1
AAP957	10/21/2022	16:30	12.59	7.98	10.63	-316.4	27.8	16.22	6.073	16:27	16:32	1
AAP957	10/21/2022		12.6	7.93	10.63	-313.4	7.1	15.44	6.315	16:44	16:49	1
AAP957	10/21/2022	17:02	12.4	7.79	10.65	-304.2	23.2	16.17	6.388	17:03	17:09	1
AAP957	10/21/2022	17:25	12.37	7.68	10.69	-297	23.1	13.26	5.261	17:20	17:27	1
AAP957	10/21/2022										Total Volume (gallons):	15
AAP957	3/9/2023	17:01	6.7	7.17	12.09	-248	92	61	0.521	17:01	17:03	2
AAP957	3/9/2023	17:15	6.5	6.5	12.04	-243	36	25	1.124	17:15	17:18	1
AAP957	3/9/2023	17:28	6.4	7.64	12.06	-332	32	18	2.024	17:28	17:30	2
AAP957	3/9/2023	17:44	6.3	7.52	12.11	-327	26	18	1.236	17:44	17:46	1
AAP957	3/9/2023	18:00	6.3	7.76	12.13	-198	28	18	1.255	18:00	18:02	1
AAP957	3/9/2023	18:15	7.33	7.58	12.08	-232.4	28	16	0.965	18:15	18:15	1

Attachment A.4 (continued)
HVS Field Parameters Collection Summary
Stormwater Sampling Data Report; Swan Island Basin Project Area, Portland, Oregon

Location	Date	Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (ft/s)	Start Time	End Time	Carboy Sample Volume Added (gallons)
AAP957	3/9/2023	18:30	6.4	7.05	11.99	-217.5	34	20	0.755	18:30	18:32	2
AAP957	3/9/2023	18:44	6.2	7.05	12.16	-233.9	28	18	0.654	18:44	18:46	1
AAP957	3/9/2023	18:54	6.1	7.07	12.19	-236.6	29	18	0.655	18:54	18:56	1
AAP957	3/9/2023										Total Volume (gallons):	12

Notes:

Acronyms:

°C = degrees Celsius
µS/cm = microsiemens per centimeter
ft/s = feet per second
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Unit
SU = standard unit

DO = dissolved oxygen
ORP = oxidation-reduction potential

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ATTACHMENT A.5
FIELD CHANGE REQUESTS

Field Change Request Form

PROJECT NO.: DT2002 DATE: 01-25-2022 VARIANCE NO.: ___01_

PROJECT NAME: Swan Island Basin Project Area - Portland Harbor Superfund Site PAGE _1__ OF _1__
FIELD TASK: Stormwater Outfall and Conveyance System Sampling

CONTRACT NO.: CERCLA Docket No. 10-2021-001

REQUESTED BY: Jeff Hodge, HGL PM; Shane Cherry, HGL Technical Lead

PRESENT REQUIREMENTS:
Install high-volume samplers and sample stormwater at manhole locations AAM107/AAM104, AAM165, AAQ003/AAQ004 (See SRASP Section 3.1 and attached SRASP Figure 3-2). However, AAQ004 (in the M-3 drainage basin) had 4.5 feet of water in it and is not safely accessible. This portion of the line appears to have a low point in it where water just ponds because no flow was observed in the manhole.

PROPOSED CHANGE:
HGL proposes to use the alternate location AAQ005 listed in SRASP Table 3.1 (attached) because instrumenting AAQ004 is not feasible. AAQ005 is the next large manhole to the southeast and located in a Daimler Trucks North America (DTNA) truck parking lot at 5400 N Basin Avenue.

TECHNICAL JUSTIFICATION:
In the PDI-WP, AAQ005 is identified as the alternate location to AAQ004. As shown on attached Figure 4.2, sample location AAQ005 provides substantially equivalent representativeness of M-3 basin discharges compared to AAQ004. The only part of the OFM-3 catchment discharges not captured by sample location AAQ005 is DTNA's Corp 10 facility and vicinity in the short pipe run along North Emerson Street.

COST/SCHEDULE IMPACT:
Minimal. The sampling equipment will be installed in AAQ005 during the private outfall equipment installation field effort. The only permitting is a revision to the Portland BES permit to indicate AAQ005 not AAQ004 will be sampled. Portland BES has already approved this modification.

REASON FOR CHANGE: ____X___ ADDITION ___X____ DELETION

CHANGE ORDER REQUIRED: ___X__ NO _____ YES CHANGE ORDER NO. _____

APPLICABLE DOCUMENT:
Pre-Design Investigation Work Plan

cc: Distribution

APPROVED BY Jeff Hodge DATE 01-27-2022
HGL Project Manager

APPROVED BY [signature] DATE 01-27-2022
HGL Contractor Quality Control Manager

APPROVED BY Madi Novak DATE 2/1/2022
EPA Representative

Table 3-1
Summary of Stormwater System Sampling Activities Locations
Stormwater and Riverbank Assessment and Sampling Plan; Swan Island Basin Project Area, Portland, Oregon

	Primary Sample Location	Sample Media and Proposed Analytical Suite						Proposed Sample Location Info				Alternate Sample Location	Sample Media and Proposed Analytical Suite						Alternate Sample Location Information		
		Stormwater			Stormwater Solids								Stormwater			Stormwater Solids					
Basin ID	Manhole ID	Analyte List	Sample Frequency	Collection Method	Analyte List	Sample Frequency	Collection Method	Depth (Portland Maps ft)	Pipe Diameter (Portland Maps inches)	Pipe Invert Elevation (COP)	Pipe Invert Elevation (MBDC)	Manhole ID	Analyte List	Sample Frequency	Collection Method	Analyte List	Sample Frequency	Collection Method	Depth (Portland Maps ft)	Pipe Elevation (COP)	Pipe Elevation (MBDC)
	City of Portland Stormwater Conveyance System															City of Portland Stormwater Conveyance System					
M-1	AAM107[a]	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	26.3	Inlet 60 (AAM107-APX575) and outlet 60 (OFM-1)	9.5	6.58	AAM104	ROD Table 17, or only ROD Table 21 COCs, if limited volume	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	25	15.93	13.01
					ROD Table 17, or only ROD focused COCs, if limited volume	2 wet season samples from lateral from basin, 2 dry season samples from lateral from basin	ILS									ROD Table 17, or only ROD focused COCs, if limited volume	1 wet season sample from sub-basins, 1 dry season sample from sub-basins	ILS			
					ROD Table 17, or only ROD focused COCs, if limited volume	1 sample, from upstream side of AMM107 before equipment deployment	MSG										1 sample in each of three laterals to AAM104 before equipment deployment	MSG			
												AAJ935 (north sub-basin)				ROD Table 17, or only ROD focused COCs, if limited volume	1 wet season sample from manhole, 1 dry season sample from manhole	ILS	16.5	14.88	11.96
																	1 sample in AAJ935 before equipment deployment	MSG			
												AAJ810 (northwest sub-basin)					1 wet season sample from sub-basin, 1 dry season sample from sub-basin	ILS	16.5	15.93	13.01
																	1 sample in AAJ810 before equipment deployment	MSG			
												AAM105 (southeast sub-basin)					1 wet season sample from sub-basin, 1 dry season sample from sub-basins	ILS	20.6	16.5	13.58
																	1 sample in AAM105 before equipment deployment	MSG			
M-2	AAM169	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	20.6	Inlets 21 (AAM169-AAM165), 60 (AAM169-AAM170), and 27 (AAM169-AAM192) and outlet 60 (OFM-2)	10.57	7.65	AAM170 (north sub-basin)	ROD Table 17, or only ROD Table 21 COCs, if limited volume	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	20.9	10.93	8.01
					ROD Table 17, or only ROD focused COCs, if limited volume	3 wet season samples from laterals to sub-basins, 3 dry season samples from laterals to sub-basins	ILS									ROD Table 17, or only ROD focused COCs, if limited volume	1 wet season sample from sub-basin, 1 dry season sample from sub-basins	ILS			
					ROD Table 17, or only ROD focused COCs, if limited volume	3 samples, one per lateral in AMM169 before equipment deployment	MSG										1 sample in AAJ935 before equipment deployment	MSG			
												AAM192 (southeast sub-basin)				ROD Table 17, or only ROD focused COCs, if limited volume	1 wet season sample from sub-basin, 1 dry season sample from sub-basins	ILS	18	14.97	12.05
																	1 sample in AAJ810 before equipment deployment	MSG			
												AAM165 (northwest sub-basin)					1 wet season sample from sub-basin, 1 dry season sample from sub-basins	ILS	18	14.06	11.14
																	1 sample in AAJ810 before equipment deployment	MSG			
M-3	AAQ004[b]	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	24.6	Inlets 18 (AAQ004-AAP976) and 48 (AAQ004-AAQ-005)	6.03 (AAQ004-AAQ003)	3.11	AAQ005	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	22.6	9.89	6.97
					ROD Table 17, or only ROD focused COCs, if limited volume	3 wet season samples from laterals to sub-basins, 3 dry season samples from laterals to sub-basins	ILS									ROD Table 17, or only ROD focused COCs, if limited volume	3 wet season samples from laterals to sub-basins, 3 dry season samples from laterals to sub-basins	ILS			
					ROD Table 17, or only ROD focused COCs, if limited volume	3 samples one per two laterals in AAQ004 before equipment deployment	MSG									ROD Table 17, or only ROD focused COCs, if limited volume	3 samples one per lateral in AMM104 before equipment deployment	MSG			

Table 3-1 (Continued)
Summary of Stormwater System Sampling Activities Locations
Stormwater and Riverbank Assessment and Sampling Plan; Swan Island Basin Project Area, Portland, Oregon

	Primary Sample Location	Sample Media and Proposed Analytical Suite						Proposed Sample Location Info				Alternate Sample Location	Sample Media and Proposed Analytical Suite						Alternate Sample Location Information		
		Stormwater			Stormwater Solids								Stormwater			Stormwater Solids					
Basin ID	Manhole ID	Analyte List	Sample Frequency	Collection Method	Analyte List	Sample Frequency	Collection Method	Depth (Portland Maps ft)	Pipe Diameter (Portland Maps inches)	Pipe Invert Elevation (COP)	Pipe Invert Elevation (MBDC)	Manhole ID	Analyte List	Sample Frequency	Collection Method	Analyte List	Sample Frequency	Collection Method	Depth (Portland Maps ft)	Pipe Elevation (COP)	Pipe Elevation (MBDC)
S-1	AAM131	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	21.7	Inlets 27 (AAM131-AAM128) and 18 (AAM131-AAM133) and outlet 36 (OFS-1)	14.76	11.83	None proposed									
					ROD Table 17, or only ROD focused COCs, if limited volume	2 wet season samples from laterals to sub-basins, 2 dry season samples from laterals to sub-basins	ILS														
					ROD Table 17, or only ROD focused COCs, if limited volume	2 samples, one per lateral, from AMM131 before equipment deployment	MSG														
S-2	AAP957	ROD Table 17 COCs, minus ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	ROD focused COCs	3 events (2 wet season, 1 dry season)	HVS	22.1	Inlets 30 (AAP957-AAP955) and 21 (AAP957-AAP970) and outlet 36 (OFS-2)	14.71	11.79	None proposed									
					ROD Table 17, or only ROD focused COCs, if limited volume	2 wet season samples from laterals to sub-basins, 2 dry season samples from laterals to sub-basins	ILS														
					ROD Table 17, or only ROD focused COCs, if limited volume	2 samples, one per lateral, from AAP957 before equipment deployment	MSG														
Private Conveyance System												**Private Conveyance System**									
USCG Marine Safety Unit (WR-198, WR-199, WR-200 or WR-201)		ROD Table 17 COCs	3 events (2 wet season, 1 dry season)	SWC	ROD Table 17, or only ROD focused COCs, if limited volume	1 sample from stormwater feature prior to equipment deployment		Not available				None proposed									
ATC Leasing / Auto Truck Transport (WR-69, WR-71 or WR-289)																					
Barge Eagle (WR-68, WR-185, or WR-186)							MSG														
NW Paperbox Manufacturing (WR-15)																					
Daimler Trucks North America Wind Tunnel / Corp 5 (WR-429)																					
Port of Portland Lagoon Avenue Property (WR-30, WR-31, WR-32, WR-33, WR-34, or WR-35)																					

Notes:
a = In-line sediment trap deployment and collection of manual solids samples are not proposed at this location due to historical and likely future river backflow. If proposed field reconnaissance during high tide indicates that a sediment trap can be installed above the highest river elevation, then a sediment trap will be installed at this location with the inlet above the highest river elevation. The proposed HVS monitoring and solids sampling location may be adjusted to AAM104, where river backflow is less likely (i.e., pipe invert elevation of 13.01 feet MBDC versus 6.58 feet MBDC at AAM107).
b = While manhole AAQ003 is closer to OFM-3, its pipe invert elevation is less than the river elevation range during the wet season (3.11 feet versus 4 to 10 feet MBDC). As a result, the proposed monitoring location was adjusted.
BES = Bureau of Environmental Services
COC = contaminant of concern
COP = City of Portland
ft = feet
HVS = high-volume, time-weighted sample
ID = identification
ILS = in-line solids (confined space entry)
MBDC = Morrison Bridge Datum Conversion. The City of Portland datum is converted to Morrison Bridge Datum (USGS gaging station 14211720, gage height of 1.55 feet above National Geodetic Vertical Datum of 1929) by subtracting 2.92. (https://www.portlandoregon.gov/transportation/article/70676)
MSG = manual solids grab (confined space entry)
NA = not applicable
ROD = Record of Decision for Portland Harbor Superfund Site (EPA 2017 and 2020)
SWC = flow-weighted, composite stormwater sample collected using Teledyne ISCO 6712C autosamplers equipped with flow meter
USCG = U.S. Coast Guard
VIS = visual system inspection

Current River Level (MBDC): https://nwis.waterdata.usgs.gov/usa/nwis/uv/?cb_00065=on&format=gif_stats&site_no=14211720&period=&begin_date=2021-01-26&end_date=2021-02-02
https://waterdata.usgs.gov/monitoring-location/14211720/#parameterCode=00065&period=P7D&compare=true
Projected River Level (MBDC): https://water.weather.gov/ahps2/hydrograph.php?gage=ptvo3&wfo=pqr



Sources:
(1) City of Portland Bureau of Environmental Services
- Outfalls
- Drainage Basins (except S-1)
- Collection Lines
- Manholes

(2) Vigor Stormwater Program Staff
- Portland Shipyard Outfalls (June 21, 2021)
- Drainage Basin S-1

(3) Oregon Metro Regional Land Information System
- Tax Lots (July 23, 2020)

(4) NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

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Stormwater Line
2006 Stormwater Line Cleaning
AAP951 Manhole
Drainage Basin
Navigation Channel
Tax Lot Boundary

Proposed Sampling Methods

SWG Stormwater Grab
ILS In-Line Solids
HVS In-Line Solids and Stormwater
MSG Manual Solids Grab

Symbols repeated for sampling of multiple laterals at indicated manhole

Outfalls

Active
Inactive
Abandoned
Unknown
Active - City of Portland Municipal Outfalls (M-1, M-2, M-3, S-1 and S-2)
Inactive - Former Non-Contact Cooling Water Discharge Points (WR-436 through WR-439)

Notes:
HVS - High Volume Sampling
NOAA - National Oceanic and Atmospheric Administration
RI/FS - Remedial Investigation/Feasibility Study
ROD - Record of Decision
USEPA - United States Environmental Protection Agency

(1) The high volume sampling system sampling methodology includes pumping stormwater at a consistent rate over the duration of the storm and running high volumes of water through the HVS system to distinguish between the dissolved and solids fractions and obtain ROD Cleanup Levels for focused contaminants of concern.
(2) The in-line sediment trap design is similar to that utilized in the USEPA-approved Round 3A Stormwater Field Sampling Plan, Portland Harbor RI/FS (LWG, 2007). If possible, one trap will be installed in each lateral.
(3) Manual stormwater solid grab samples will be collected at time of manhole entry if a minimum of 8-oz of solids are present in manhole/lateral. If less then 8-oz of solids are present, then the manual grab sample locations shall be abandoned and alternative upstream locations will be inspected and selected.
(4) Stormwater grab samples will be collected using ISCO auto-samplers.
(5) Where visual outfall inspections reveal the presence of solids, a single composite manual grab sample will be collected from all outfalls on the property.

Figure 3-1
Proposed Stormwater Sampling Locations

Prepared on 11/9/2021

Stormwater and Riverbank Assessment and Sampling Plan
Swan Island Basin

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

Field Change Request Form

PROJECT NO.: DT2002 DATE: 02-24-2022 VARIANCE NO.: ___04_

PROJECT NAME: Swan Island Basin Project Area - Portland Harbor Superfund Site PAGE _1__ OF _1__
FIELD TASK: Stormwater Outfall and Conveyance System Sampling
CONTRACT NO.: CERCLA Docket No. 10-2021-001

REQUESTED BY: Jeff Hodge, HGL PM; Shane Cherry, HGL Technical Lead

PRESENT REQUIREMENTS:
Install high-volume samplers and sample stormwater at manhole locations AAM107/AAM104, AAM165, and AAQ005 (approved in Field Change Request #1). See SRASP Section 3.1 and attached SRASP Figure 3-1.

PROPOSED CHANGE:
HGL proposes to install in-line suspended sediment sampling traps in manhole AND479 along N. Emerson Street in the OFM-3 Basin (see attached SRASP Figure 3-1). The manhole is in a parking space in the N. Emerson Street public right-of-way (ROW). Because instrumenting AAQ004 was not feasible, the stormwater monitoring locations was moved to AAQ005 per Field Change Request #1. The only OFM-3 catchment discharges that are not captured by monitoring location AAQ005 is Daimler Trucks North America LLC's (DTNA) Corp 10 facility and vicinity in the N. Emerson Street ROW, as well as a small area of ROW along N. Basins Avenue west of AAQ005. Given that a former DEQ ECSI #44 site (oil tank storage, transformer scrapping, and copper wire reclamation site) was located at the upstream end of N Emerson Street from 1960 to 1968, and PCBs were detected in soil in unpaved areas along the N. Emerson Street ROW in 2013, EPA and HGL agreed that a site reconnaissance was necessary to determine if vehicles were tracking soil from the area of the former ECSI #44 site and if solids could enter the OFM-3 stormwater conveyance system. During the site reconnaissance, vehicle tracking of soil was observed from the former transformer scrapping site and vicinity, and exposed soils were present along southern portions of the N. Emerson Street ROW where the roadway asphalt was degraded or missing.

TECHNICAL JUSTIFICATION:
Overarchingly, the objective of all of the stormwater sampling in general is to obtain data representative of end-of-pipe discharge to SIB for the purpose of evaluating recontamination potential. While this particular sample is anticipated to represent any potential impacts stemming from ECSI #44 the results would be used in combination with AAQ005 results to evaluate recontamination potential representative of the entire M-3 basin.

The specific objective for adding this sampling location is to determine whether contaminant of concern (COC) releases are leaving the ESCI #44 site and entering the stormwater system. HGL considerations and technical justifications for the proposed change are as follows: (1) Sampling at AND479 will meet the stated objective, (2) Sampling at AAP976 captures a little more of the M-3 basin but increases the safety and logistical challenges associated with sampling this area, (3) Sampling at AAP976 would require a modification to the BES access permit, traffic control plan, and additional lane closure permit, and (4) The majority of the M-3 drainage basin is captured at the AAQ005 monitoring/sampling location. Moving the originally proposed sampling location from AAQ003 to AAQ005 introduced a data gap regarding potential

releases from site ESCI #44.

The solid samples collected from the in-line suspended sediment traps installed at AND479 will be analyzed for the focused COCs in Table 21 of the Record of Decision (ROD), and if additional sample volume is available at the time of collection HGL will also obtain samples for the analytes listed in Table 17 of the ROD.

In summary, collecting solids samples in manhole AND479 will assess the potential presence of PCBs in suspended solids entering the OFM-3 storm sewer conveyance system from the former transformer scrapping site and N. Emerson Street ROW. This will eliminate a potential data gap in the OFM-3 catchment sampling program that was identified when stormwater system monitoring was necessarily shifted to AAQ005 from AAQ003 and AAQ004 because of the amount of standing water present in that manholes. Sampling of stormwater is not warranted because PCBs readily bind to soils and do not readily dissolve in water, and data are available for DTNA's Corp 10 facility collected as part of a SCE and NPDES 1200-Z permit. Flow data will be obtained from the City of Portland storm sewer modeling dataset.

COST/SCHEDULE IMPACT:

Low. The sediment traps will be installed in AND479 during flow sensor downloads at AAM104, AAM169 and AAP957. The only permitting requirement is a revision to the City of Portland Bureau of Environmental Services (BES) access authorization permit to indicate the addition of AND479 to the stormwater monitoring program. In fact, Portland BES has already approved this modification. Currently, no solids samples have been collected from the other monitoring locations and very little measurable rain has fallen to generate suspended solids since the equipment was deployed.

REASON FOR CHANGE: ____X___ ADDITION _____ DELETION

CHANGE ORDER REQUIRED: ___X__ NO _____ YES CHANGE ORDER NO. _____

APPLICABLE DOCUMENT:
Pre-Design Investigation Work Plan

cc: Distribution

APPROVED BY Jeff Hodge DATE 02-28-2022
HGL Project Manager

APPROVED BY [signature] DATE 02-28-2022
HGL Contractor Quality Control Manager

APPROVED BY Madi Novak DATE 3/1/22
EPA Representative

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Figure 3-1
From the Stormwater and Riverbank Sampling and Analysis Plan (SRASP)



Sources:
(1) City of Portland Bureau of Environmental Services
- Outfalls
- Drainage Basins (except S-1)
- Collection Lines
- Manholes

(2) Vigor Stormwater Program Staff
- Portland Shipyard Outfalls (June 21, 2021)
- Drainage Basin S-1

(3) Oregon Metro Regional Land Information System
- Tax Lots (July 23, 2020)

(4) NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

Stormwater Line
2006 Stormwater Line Cleaning
AAP951 Manhole
Drainage Basin
Navigation Channel
Tax Lot Boundary

Proposed Sampling Methods

SWG Stormwater Grab
ILS In-Line Solids
HVS In-Line Solids and Stormwater
MSG Manual Solids Grab

Symbols repeated for sampling of multiple laterals at indicated manhole

Outfalls

Active
Inactive
Abandoned
Unknown
Active - City of Portland Municipal Outfalls (M-1, M-2, M-3, S-1 and S-2)
Inactive - Former Non-Contact Cooling Water Discharge Points (WR-436 through WR-439)

Notes:
HVS - High Volume Sampling
NOAA - National Oceanic and Atmospheric Administration
RI/FS - Remedial Investigation/Feasibility Study
ROD - Record of Decision
USEPA - United States Environmental Protection Agency

(1) The high volume sampling system sampling methodology includes pumping stormwater at a consistent rate over the duration of the storm and running high volumes of water through the HVS system to distinguish between the dissolved and solids fractions and obtain ROD Cleanup Levels for focused contaminants of concern.
(2) The in-line sediment trap design is similar to that utilized in the USEPA-approved Round 3A Stormwater Field Sampling Plan, Portland Harbor RI/FS (LWG, 2007). If possible, one trap will be installed in each lateral.
(3) Manual stormwater solid grab samples will be collected at time of manhole entry if a minimum of 8-oz of solids are present in manhole/lateral. If less then 8-oz of solids are present, then the manual grab sample locations shall be abandoned and alternative upstream locations will be inspected and selected.
(4) Stormwater grab samples will be collected using ISCO auto-samplers.
(5) Where visual outfall inspections reveal the presence of solids, a single composite manual grab sample will be collected from all outfalls on the property.

Figure 3-1
Proposed Stormwater Sampling Locations

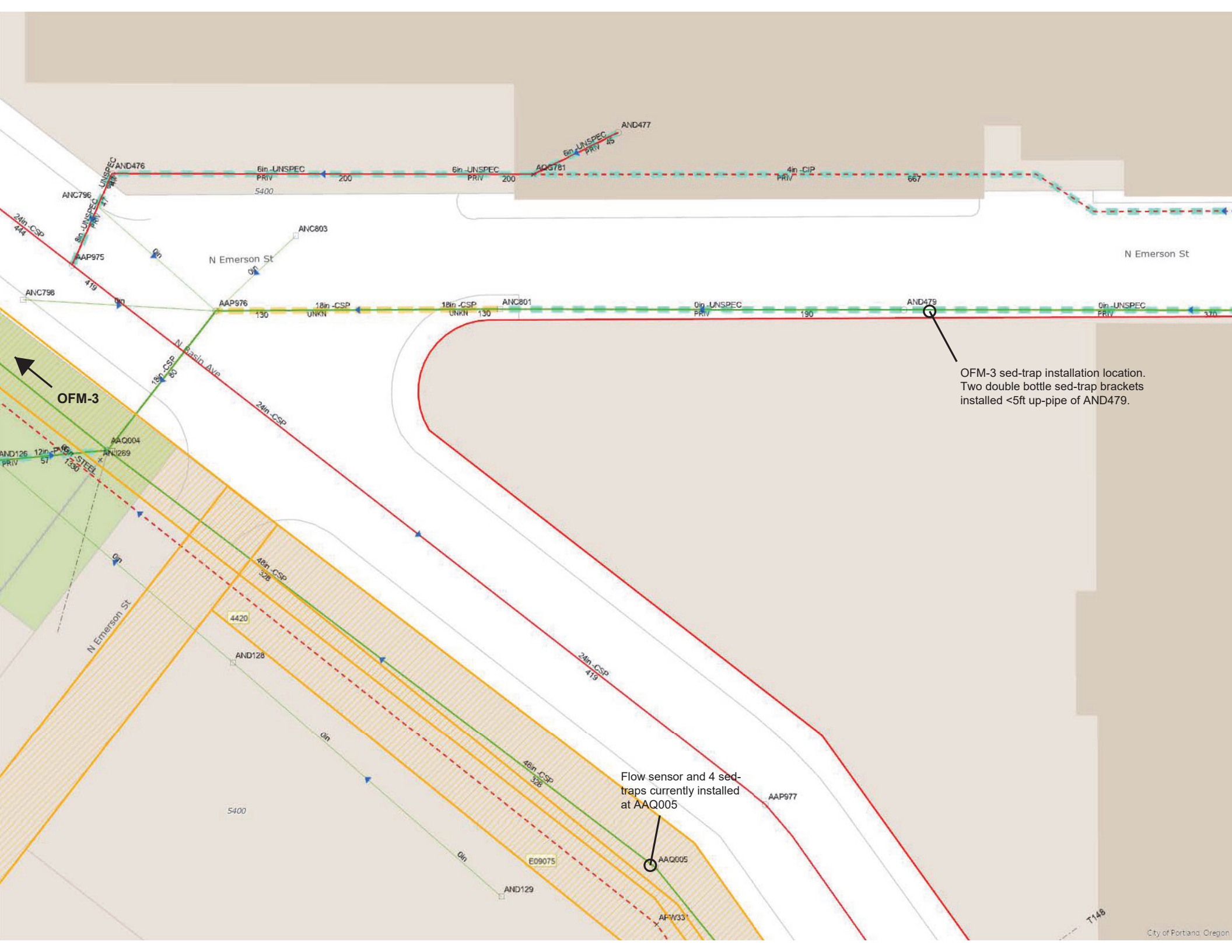
Prepared on 11/9/2021

Stormwater and Riverbank Assessment and Sampling Plan
Swan Island Basin

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

SJB-SRASP_F3-1.dwg, 11/09/2021 - 02:40 PM

Sediment Trap Installation Location



OFM-3 sed-trap installation location. Two double bottle sed-trap brackets installed <5ft up-pipe of AND479.

Flow sensor and 4 sed-traps currently installed at AAQ005

Daily Field Report
For Location Inspection Completed by BridgeWater Group and OrbisLogic

DAILY FIELD REPORT

DATE: 2-11-22
PLANNED ACTIVITY PERIOD: 10 Feb 2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:					Partly Sunny		
Temperature:					50s F		
Wind:					East		
Humidity:					N/A		

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002

HGL Staff: None

Teaming Partners/Subcontractors: Anna St. John (Bridgewater), Joss Moore (OrbisLogic)

Regulatory Oversight: None

Equipment On Site: Field vehicle

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Inspect N. Emerson Street right-of-way (ROW), with emphasis on the eastern cul-de-sac area adjacent to the Union Pacific Railroad (UPRR) right-of-way, an access road east of Daimler Trucks North America (DTNA) Corp 10 facility and 3205 N. Webster Street. 3205 N Emerson Street is former DEQ ECSI #44 (transformer scrapping site). Gravel has been placed in part of the cul-de-sac adjacent to 3205 N Emerson St. Tracking of dirt was observed from 3205 N Emerson Street as well as from the access road east of the DTNA Corp 10 facility. Dirt/ loose solids were observed along unpaved southern portions of the road adjacent to the 5230 N Basin Avenue parcel. Gravel/dirt was observed on top of manhole AND481 in this area. Felt inserts were present in catch basins along N. Emerson Street; these capture and retain suspended solids. Manhole AND479 is located in a paved parking space.

Quality Control Activities (including field calibrations): None

Health and Safety Activities: Daily safety briefing - Safe driving and parking practices

Problems Encountered/Corrective Action Taken: None

Special Notes: None

Planned Activities for the Next Day:

- None – single day reconnaissance

Signature:  Jeff Gadt **Title**: Field Coordinator

ATTACHMENT A.6
DAILY FIELD REPORTS

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DAILY FIELD REPORT

DATE: 4/4/2022
PLANNED ACTIVITY PERIOD: 4/4/2022-4/7/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:		Rain, Sun, Hail					
Temperature:							
Wind:							
Humidity:							

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002

HGL Staff: None

Teaming Partners/Subcontractors: Anna St. John (Bridgewater; Task FM)/ Joss Moore (Orbislogic, Task FM)

Regulatory Oversight: C. Christopher (CDM)

Equipment On Site: Field vehicle, ISCO autosamplers and flow sensors, tools

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Site recon at USCG MSU to inspect drainage areas. Confirmed selection of WR-198 for instrumentation in outfall via vessel. USCG will clear vegetation from outfall locations.
2) Installed tubing and flow sensor in CB#8-MP#3 with adjacent aboveground ISCO autosampler in bioswale at ATC Leasing. Not able to properly install flow sensor because of limited access and small pipe diameter. Unit labeled ATC-WR71.
3) Installed tubing in stormwater treatment unit with adjacent secured aboveground ISCO autosampler at DTNA Corp 5 on N. Lagoon Ave. Not able to install flow sensor because of limited access and small pipe diameter. Unit labeled DTNA-WR428.

Quality Control Activities (including field calibrations): None

Health and Safety Activities: Daily safety briefing - Safe driving and parking practices. Slick surfaces.

Problems Encountered/Corrective Action Taken: None

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ No samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)
☐ No photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)
☒ No Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

DAILY QUALITY CONTROL REPORT

- 04/06/2022 – Install tubing and flow sensors in WR-186 (Barge Eagle), WR-15 (NW Paperbox), and WR-198 (USCG MSU)

Signature: 

Title: Upland Stormwater Evaluation Task Manager

DAILY QUALITY CONTROL REPORT



Photograph 1. Outfall WR-198 (black corrugated HDPE pipe) at USCG MSU. Estimated 10 gpm flow rate. Install equipment from vessel. IMG_0881 (ASJ iPhone)

DAILY QUALITY CONTROL REPORT



Photograph 2. CB#8 / MP#3 in bioswale at ATC Leasing. Pre-Installation. J. Moore (Orbislogic) in photograph. IMG_0884 (ASJ iPhone)



Photograph 3. CB#8 before equipment installation. ATC Leasing. IMG_0885 (ASJ iPhone).

DAILY QUALITY CONTROL REPORT



Photograph 4.ISCO Autosampler and tubing/flow sensor installed in CB #8 / MP #3 at ATC Leasing. IMG_0896 (ASJ iPhone)

DAILY QUALITY CONTROL REPORT

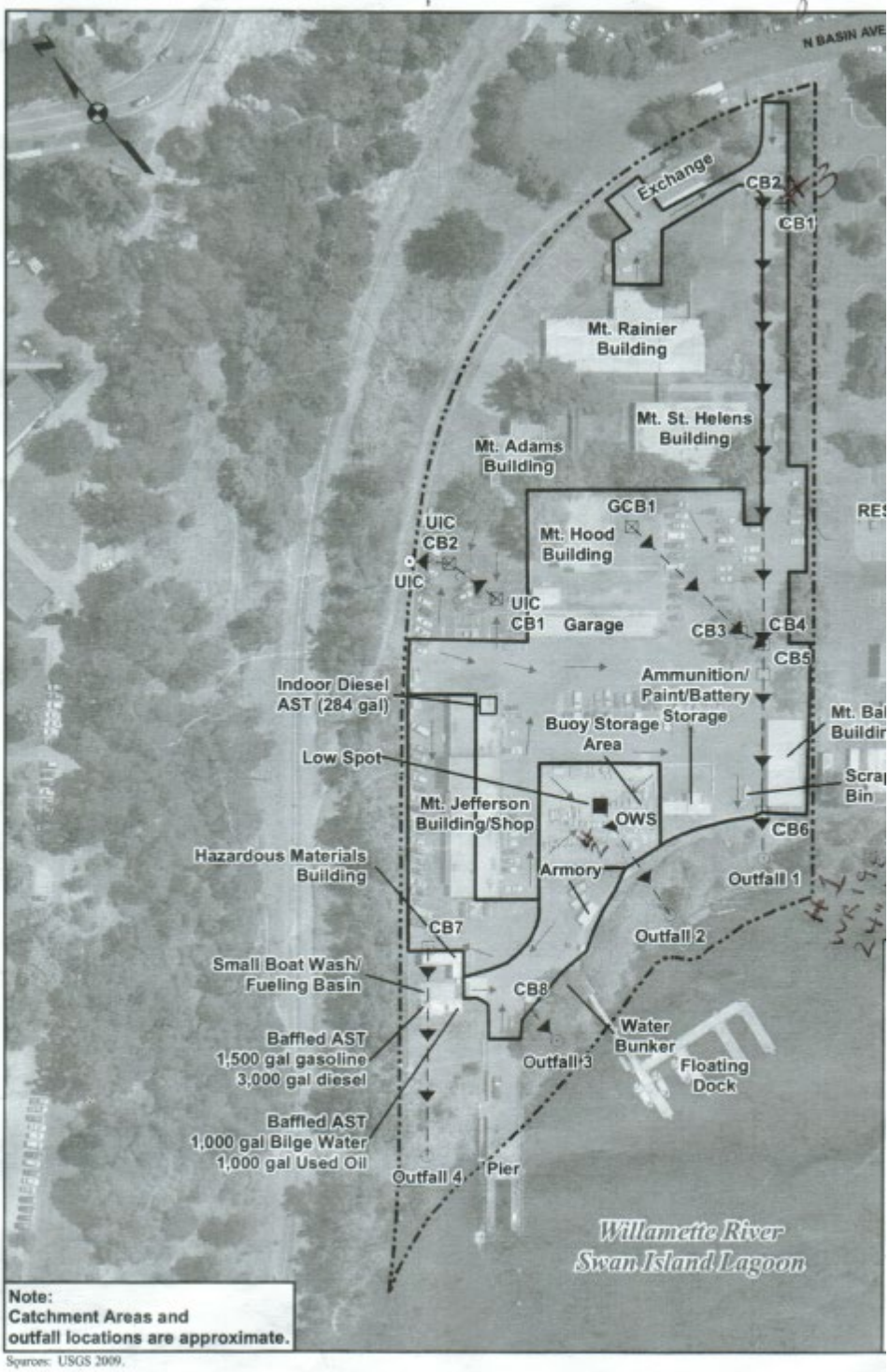


Photograph 5. Stormwater treatment filter at DTNA Corp 5. Tubing to be installed near outlet. IMG_0898 (ASJ iPhone)



Photograph 6. ISCO sampler installed and secured near stormwater treatment unit at DTNA Corp 5. IMG_0902 (ASJ iPhone)

DAILY QUALITY CONTROL REPORT



#3 photo near PCGX looking W

WR 198
DA-001 10 gpm
Reach in b/and
Strap Isco to pipe itself
platform w/ retang wire around unit
access by land or water (. from right (s) of trees)

CB6 – round, TSS insert

CB-5 insert collapsed @ bottom

CB-4 leaves, needs cleaned

CB-3 liner, leaves

GLB-1 grass/lawn no insert, leaves

UIC CB1 & CB2 = DRY well
access in grass mown

#2 photo
#CB1 OWS
needs serviced solids around it & paint

OF 2 = WR199
covered w/ blackberries
small catchment from ows

CB6 – round, SE of pier insert, leaves

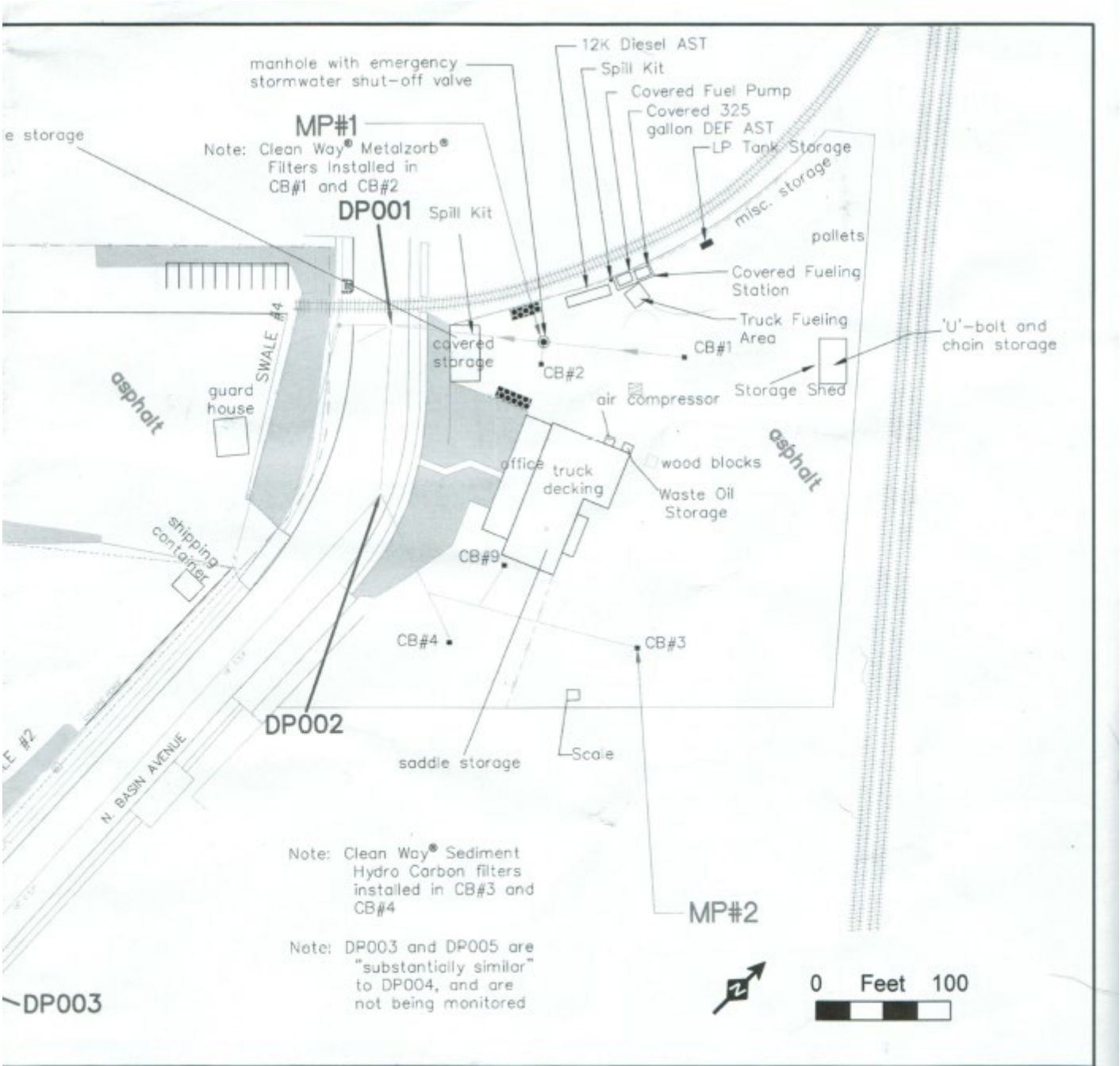
OF 3 = WR 200 1 CB in catchment
SE of piere
not observed due to

CB7 – insert

OF 4 = WR 201
Not observed

Phot
4/4/2

8IB-SAR_F.dwg, 5/31/2021 - 12:41 PM



Notes:

MP = Monitoring Point

DA = Drainage Area

DP = Discharge Point

CB = Catch Basin

DS = Down Spout

RD = Roof Drain

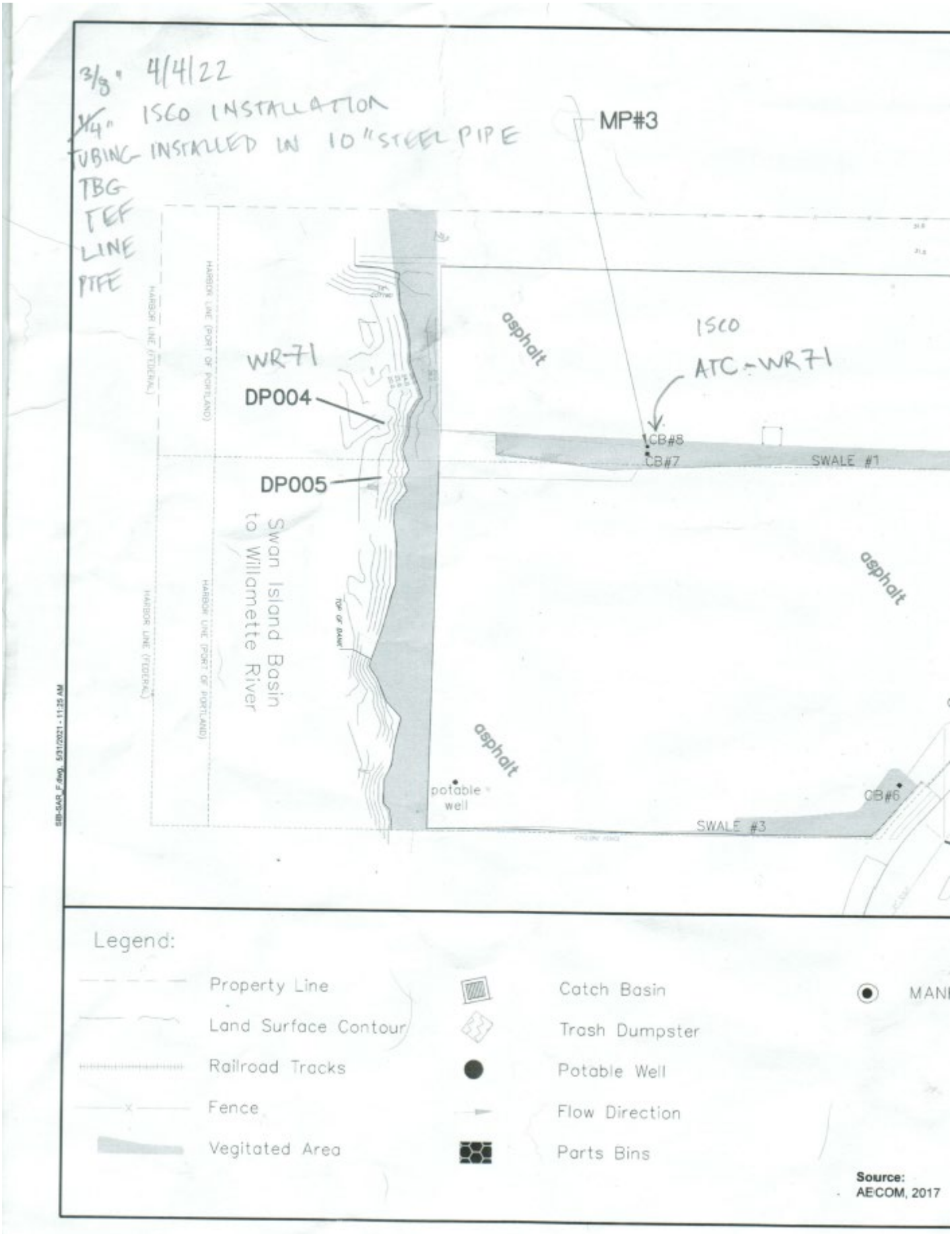
Figure D-3
ATC Leasing Co. Site Layout

Confidential Attorney/Client Work Product.
PREPARED IN ANTICIPATION OF LITIGATION.
Prepared on 5/31/2021

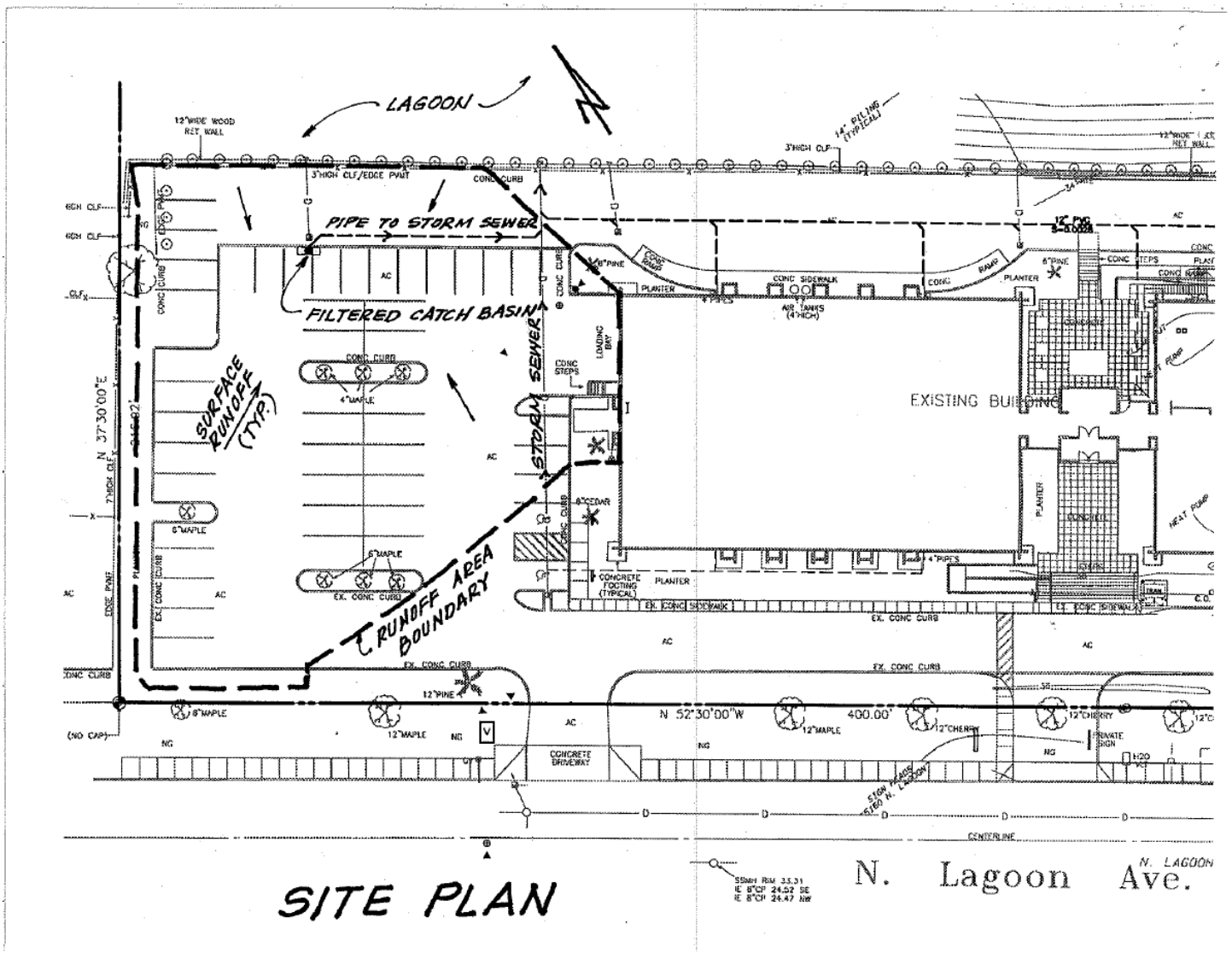
Sufficiency Assessment Report
Swan Island Basin Project Area

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

DAILY QUALITY CONTROL REPORT



DAILY QUALITY CONTROL REPORT



Private Outfall Sampling Equipment Installation Photo Log - 040422

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
1 IMG_0881	ASJ	Outfall WR-198 at USCG MSU	SW	4/4/2022	853	NA	NA
2 IMG_0884	ASJ	CB #8 at ATC Leasing with J Moore (Orbislogic)	S	4/4/2022	938	NA	NA
3 IMG_0855	ASJ	CB #8 with access opened to outlet pipe	NW	4/4/2022	957	NA	NA
4 IMG_0896	ASJ	ISCO autosampler at CB #8 at ATC Leasing. Discharge to WR-71	S	4/4/2022	1157	NA	NA
5 IMG_0898	ASJ	Stormwater treatment unit at DTNA Corp 5	SE	4/4/2022	1315	NA	NA
6 IMG_0902	ASJ	ISCO autosampler installed at DTNA Corp 5	E	4/4/2022	1448	NA	NA

Location ATC LEASING 6135 N BASIN AVE PDX Date 3/24/22

Project / Client DT 2002

SIB RD - ATC LEASING RECON

1300 ONSITE SUNNY, 50s, LIGHT NORTH WIND

A. ST JOHN (BIOGEWATER GRP) MET W/ K. MUNSON (ATC TERMINAL MANAGER).

DISCUSSED GEOTECH PROJECT ASJ EXPLAINED NOTIFICATION, PRIVATE LOCATE, DRILLING & FOLLOWP SCHEDULE.

PHOTOGRAPHED AREAS, FENCE-LINE, WELL, SWALE (SEE LOG).

K. MUNSON NOTED BES CITY OWNS PROP. OUTSIDE FENCE ALONG TOB. ASJ APPEARS TO BE PART OF PORTSMOUTH MAIN PROJECT. VAULT (?) PRESENT ONSITE IN NW CORNER.

ASJ INSPECTED SWALE.

K MUNSON WILL PROVIDE PHONE # FOR SW CONSULTANT (JIM)

2 CBs W/ TSS INSERTS OBSERVED (NPDES 12002 MON. POINTS)

1358 OFFSITE

Location SIB UPLAND Date 4/4/2002

Project / Client DT 2002 ANNA ST JOHN; BIO20

UPLAND SW EVAL - PRIVATE SYSTEM EQUIP INSTALLATION

0800 P. cloudy, dry

MEET J. MOORE (ORBIS LOGIC) P C. CHRISTOPHER (CDM) @ US ECOLOGY

TAIL GATE SAFETY MEETING

2 CARS TO USCG MSU

0840 Arrive @ USCG. Talked to Spencer re: project goals. Walk & walk the site. They will also clear areas around OFS outside fence for us.

0934 Arrive @ ATC Leasing

Email to Jim Hinkley, Sprinkles ATC Leasing SW CONSULTANT

INSTALL ISCO IN MP#3/CB#8 (square) to DP004 below TSS insert

3 pictures of CB8 false bottom @ Lynch style pipe opening @ 2' off bottom (weir) 4.2' deep @ bottom of CB

1007 No solids observed beyond weir into OF pipe only in CB sump.

Rite in the Rain

Location SIB UPLAND Date 4/4/22

Project / Client DT2002 2 of 4

UPLAND SW EVALUATION – EQUIP INSTALLATION IN PRIVATE SYSTEMS

1029 Tubing & flow sensor installed. Tubing ~ 2" below & flow sensor @ mouth of pipe (hanging b/c cannot anchor inside pipe / no access) 10" steel pipe WR-71 or WR-69

DP-004 @ MP003

ISCO Labeled ATC – WR71

1051 Jogs M (orbslogic) programming units for ISCO

battery life = 60 days (interval)

15 ~~5 to~~ min data record interval for flow sensor b/c not recording actual rates due to sensor hanging @ mouth of pipe

≤ 900 days of battery life vs 60 days w/ 15 min interval recording

1 2.50 gallon = 9.46 L glass bottle

10 ft suction line kept = 6" tubing to ISCO

set @ 0 mins, 3 metres

1 part = collect only on rising limb of rain event

uniform time-based b/c we don't have precise flow measure-

Location SIB UPLAND Date 4/4/22

Project / Client DT2002

UPLAND SW EVALUATION & PRIVATE SYSTEM EQUIP INSTALL 3 of 4

ment.

FOR EXAMPLE, COLLECTION W/IN 30 MIN, 9.46 L / 30 = ~~0.3 L~~ collect @ 1 min intervals 0.3 L/min

DOWNPOUR ^ 30 SAMPLES @ 31 mL/sample

1202 INSTALLED. WILL NEED TO RETURN W/ MODEM & NEW BATTERY

1210 LEAVE SITE

1240 ARRIVE @ DNA CS / WIND TUNNEL

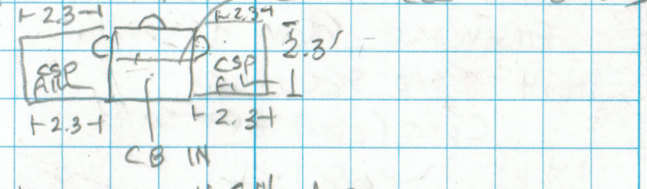
SHOWERS WR 42 S WR 42 gw ASJ

STORM FILTER TUBING INSTALLED 4" below outlet

SIB

STORM FILTER @ DNA

outlet weir to catch debris



Vault = 45" deep

~~DNA~~ = 31"

420

Rite in the Rain

Location SIB UPLAND Date 4/4/22

Project / Client DT2002

UPLAND SW EVALUATION
PRIVATE SYSTEM EQUIP INSTALL 4 of 4 END

ISCO "DTNA-WR428" SAMPLER
11' OF TUBING INSTALLED
10" diaster ~~steel~~ steel outlet
1334 showers & sun breaks
1344 Model 221 K00152
NO DESSICANT :- WILL RETURN
NO FLOWMETER @ THIS LOCATION :- NEW MODEL #
1340 DT JOHN H (DTNA) STOPPED BY. SUGGESTED SECURING ISCO TO SW FILTER. IF THEY NEED TO CLEAN UNIT, THEY WILL CONTACT US (DAN W, DTNA).
1353 JM PROGRAMMING DTNA-WR428 SIMILAR PARAMETERS AS ATC-WR71 FIRMWARE FROM TELEDYNE WORKING
1434 ISCO SECURED.
CORT (CDM) OFF SITE
1446 Leave site

ANNA ST. JOHN

Location Date

Project / Client

Rite in the Rain

4/4/2022 SIB-STORMWATER - ISCO J. MOORE

0730: LOAD UP SITE VAN WITH EQUIPMENT MOB TO US ECOLOGY. SWAN ISLANDS FACILITY.

0800: MEET AT US ECOLOGY, CONDUCT TAILGATE H&S MEETING.

* ORDINANCE - JOCK MOORE
BUDGETARY - ANNA ST. JOHN
CSM (EMA) - CARL CHRISTOPHER.

* SCOPE TO SITE WALK USCG SWANS SITE, INSTALL ISCOS AT ATC & DIANA.

0820: MOB TO USCG SWANS FACILITY.

0845: ONSITE AT USCG - CONTACT 541-778-0078 FOR SITE ACTIVITIES FOR THE DAY.

- CONDUCT FACILITY RECON.

OBSERVE OUTFALL 1 / WR 198 ~24" HDPE CORRUGATED PIPE, FLOWING AT ~10 GPM.

4/4/2022 SIB-STORMWATER ISCO J. MOORE

CB6 IN AS GEOTECH / TSS LINER - LAST CB BEFORE BANK.

- OBSERVED OWS AND OUTFALL 2 / WR 199 - COVERED WITH BLACKBERRY SO NO TERMINUS OR FLOW OBSERVED

- CB8 TO OUTFALL 3 / WR 200 NOT OBSERVED TERMINUS OR FLOW DUE TO VEGETATION OVERGROWTH

- CB 7 TO OUTFALL 4 / WR 201 TERMINUS NOT OBSERVED NOR FLOW DUE TO VEGETATION OVERGROWTH

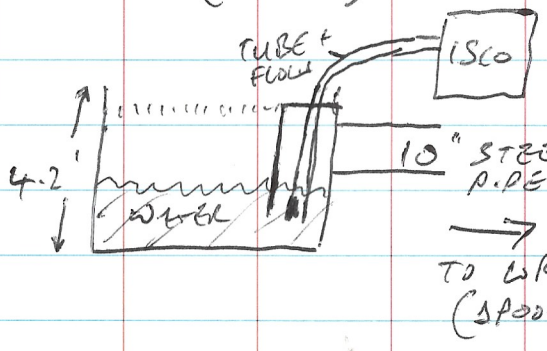
0930: USCG SITE WALK COMPLETE, LEAVE FACILITY. MOB TO ATC FACILITY

0934: ARRIVE AT ATC LEASING FACILITY SCOPE AREA FOR ISCO INSTALL

CB8 - INSTALL LOCATION - 4-2' DEEP VAULT, 2' WATER

4/4/2022 SIB-STORMWATER ISCO J. MOORE

DEPTH. SQUARE VAULT WITH TSS GEOTECH FILTER. INSTALLED TUBING AND FLOW METER ALTHOUGH NO CLEAR ACCESS DUE TO SUMP USER DESIGN - FLOW CANNOT BE MEASURED ACCURATELY BUT SAMPLE TUBE PLACED AT ENTRANCE TO OUTFLOW PIPE 10" STEEL ROUND PIPE TO WR-71. (SP004)



* ISCO PROGRAM: 1604565387
- EXTENDED 1'

4/4/2022 SIB-STORMWATER ISCO J. MOORE

- ATC-WR-71
- UNITS - FT,
  FLOW RATE - CFS
  FLOW VOLUME - CF
  VELOCITY - FT/SEC
- AREA VOLUME - FLOW METER
  AREA * VELOCITY.
  CHANNEL SHAPE - ROUND
  0.83 FT.
- CURRENT DEPTH. 0.024 FT.
- OFFSET 0.0 FT
- DATA INTERVAL - 15 MIN
- 1 COMPOSITE BOTTLE
  9.46 L (2.5 GAL)
- 6 FT SAMPLE TUBE (3/8")
- AUTO SELECTION HEAD
- 0 RINSE 3 RETRIES
- 1 PACE PROGRAM
- UNIFORM TIME BASED.

4/4/2022 SIB-STORMWATER ISCO J. MOORE

- TIME BETWEEN EVENTS
  1 MINUTE INTERVALS
  30 SAMPLES
  31 ML PER SAMPLE
- ENABLE - NONE
  - REPEATABLE
  - NO SAMPLE AT ENABLE
  - SAMPLE AT ENABLE
- 0 PAUSE & RESUME

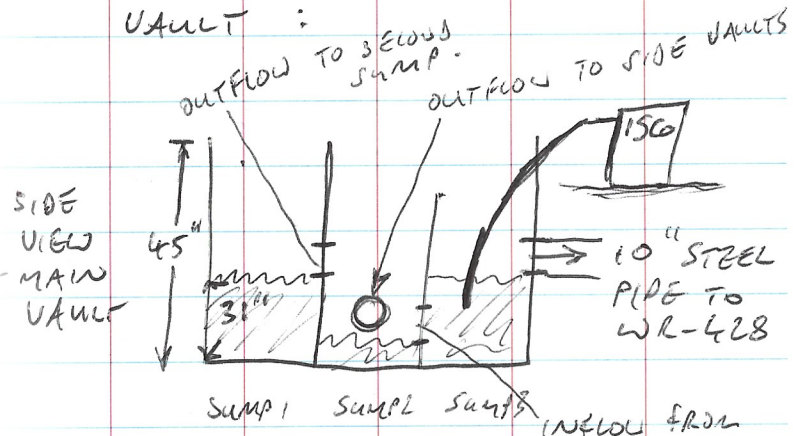
* SAMPLER READY FOR PROGRAM START WHEN STORM SELECTED.
* UPDATED FIRMWARE TO VERSION 3.6 FOR MODEM.

1200 - LEAVE ISCO SECURED AT SITE

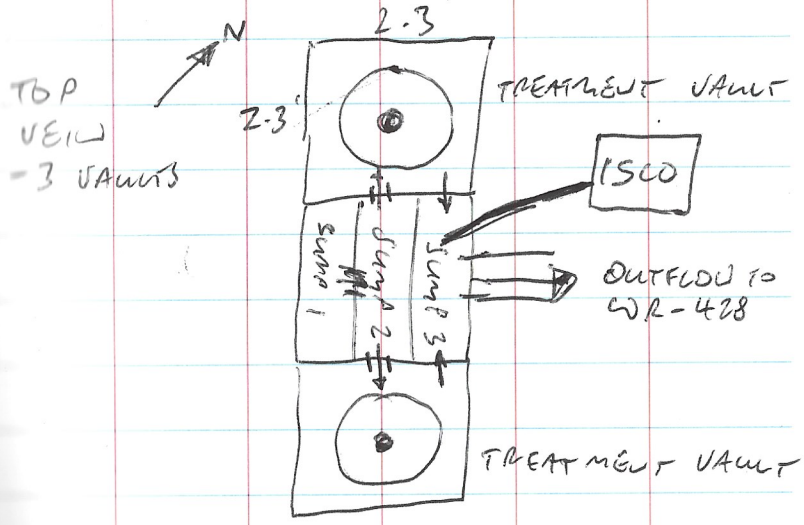
1240 - ONSITE AT DTNA 5, WIND TUNNEL FACILITY, WR-428.
- PREPARE TO INSTALL ISCO.
- JUMP WEIR TREATMENT

4/4/2022 SIB-STORMWATER ISCO J. MOORE

VAULT :



* NO FLOW METER - NO ACCESS



* 11 FT of TUBING TO ISCO ON SURFACE.

4/4/2022 SIB-STORMWATER ISCO J.Moore.

* ISCO PROGRAM: 1599919758
  - DTNA WR-428
  - EXTENSION 1
  - LENGTH UNIT ft
  - DATA INTERVAL 5 mins
  - 1 x 9.46L BOTTLE
  - 11 ft TUBING
  - AUTO SUCTION HEAD
  - 0 RINSES 3 RETRIES.
  - 1 PART PROGRAM
  - UNIFORM TIME PACES (NO FLOW METER)
  - 1 MINUTE SAMPLE
  - 30 SAMPLES - 31 ML EACH
  - NOT ENABLED
  - REPORTABLE ENABLED
    NO SAMPLE DISABLE
    SAMPLE AT ENABLE

15 min DATA

* ISCO READY TO SAMPLE
* UPDATE FIRMWARE TO 3.6

4/4/2022 SIB-STORMWATER ISCO J.MOORE

For modem.

- SECURE ISCO BY CABLE TO THE VAULT COVER.

1434: CALL CHRISTOPHER ONSITE FOR THE DAY.

1446: ORBISLOGIC & BRISBANE LEAVE DTNA - OFFSITE.

- REPROGRAM REMAINING 4 ISCO UNITS WITH FIRMWARE 3.6. VERSION.

1730: ORBISLOGIC COMPLETE.

JM

HGL
HydroGeoLogic, Inc
Exceeding Expectations

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [ ] Health and Safety Plan Addendum: _____
- [ ] Other: ___

Date/Time: 4/4/22 0800 hrs Client: DTNA / USCG

Location: SWAN ISLAND BASIN - PORTLAND HARBOR Job No.: JT2002

Meeting/training conducted by: JOSS MOORE 4/4/22 0800hrs.

Work Activities: STORMWATER ISCO INSTALLATION.

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs - LOW LEVEL.

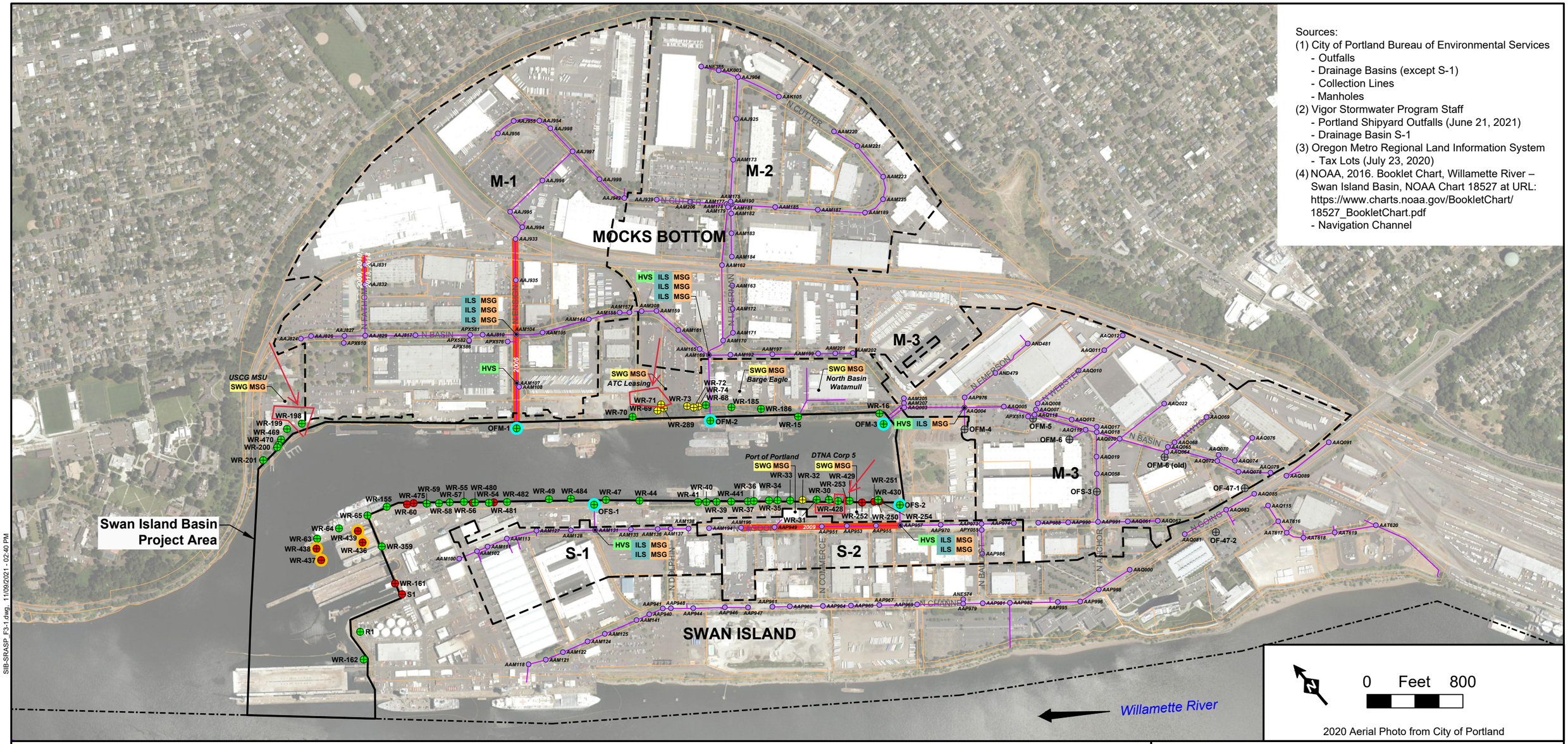
Physical Hazards: SHARING RIPRAP, SITE MARKER, CURTAIN

Specific Safety Topic(s): BUDDY SYSTEM.

Specific Training Covered: —

Attendees

Name Printed and Employee Number:	Signature:
Capt Christopher COM SMITH	
ANMT ST JOHN	



Sources:
(1) City of Portland Bureau of Environmental Services
- Outfalls
- Drainage Basins (except S-1)
- Collection Lines
- Manholes

(2) Vigor Stormwater Program Staff
- Portland Shipyard Outfalls (June 21, 2021)
- Drainage Basin S-1

(3) Oregon Metro Regional Land Information System
- Tax Lots (July 23, 2020)

(4) NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

SIB-SRASP_F3-1.dwg, 11/09/2021 - 02:40 PM

Stormwater Line
Stormwater Line Cleaning
Manhole
Drainage Basin
Navigation Channel
Tax Lot Boundary

Proposed Sampling Methods

SWG Stormwater Grab
ILS In-Line Solids
HVS In-Line Solids and Stormwater
MSG Manual Solids Grab

Symbols repeated for sampling of multiple laterals at indicated manhole

Outfalls

Active
Inactive
Abandoned
Unknown
Active - City of Portland Municipal Outfalls (M-1, M-2, M-3, S-1 and S-2)
Inactive - Former Non-Contact Cooling Water Discharge Points (WR-436 through WR-439)

Notes:
HVS - High Volume Sampling
NOAA - National Oceanic and Atmospheric Administration
RI/FS - Remedial Investigation/Feasibility Study
ROD - Record of Decision
USEPA - United States Environmental Protection Agency

(1) The high volume sampling system sampling methodology includes pumping stormwater at a consistent rate over the duration of the storm and running high volumes of water through the HVS system to distinguish between the dissolved and solids fractions and obtain ROD Cleanup Levels for focused contaminants of concern.
(2) The in-line sediment trap design is similar to that utilized in the USEPA-approved Round 3A Stormwater Field Sampling Plan, Portland Harbor RI/FS (LWG, 2007). If possible, one trap will be installed in each lateral.
(3) Manual stormwater solid grab samples will be collected at time of manhole entry if a minimum of 8-oz of solids are present in manhole/lateral. If less then 8-oz of solids are present, then the manual grab sample locations shall be abandoned and alternative upstream locations will be inspected and selected.
(4) Stormwater grab samples will be collected using ISCO auto-samplers.
(5) Where visual outfall inspections reveal the presence of solids, a single composite manual grab sample will be collected from all outfalls on the property.

Figure 3-1
Proposed Stormwater Sampling Locations

Prepared on 11/9/2021

Stormwater and Riverbank Assessment and Sampling Plan
Swan Island Basin

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

DAILY FIELD REPORT

DATE: 4/6/2022
PLANNED ACTIVITY PERIOD: 4/4/2022-4/7/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:				Sun			
Temperature:				Upper 30s – Upper 50s			
Wind:				NE 12			
Humidity:				35%			

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002

HGL Staff: None

Teaming Partners/Subcontractors: Anna St. John (Bridgewater; Task FM) and Justin Pounds (Bridgewater)/ Joss Moore (Orbislogic, Task FM), Logan Nelson (Gravity Marine, vessel Mazama)

Regulatory Oversight: None

Equipment On Site: ISCO autosamplers and flow sensors, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Installed tubing and flow sensor in USCG MSU OF WR-198 with ISCO autosampler adjacent to it. Vegetation cleared to outfall area. No solids observed in pipe. Trickle of flow.
2) Installed tubing and flow sensor in Barge Eagle OF WR-186 with ISCO autosampler adjacent to it. No vegetation required clearing, because access is well-maintained by facility. No solids observed in the pipe. Slightly more flow than WR-198.
3) Installed tubing and flow sensor in Northwest Paperbox Manufacturing (North Basin Watumull) OF WR-15 with ISCO autosampler adjacent to it. Very little vegetation required clearing. Similar amount of flow to WR-198.

Quality Control Activities (including field calibrations): None

Health and Safety Activities: AHA – Combative Property Personnel, Overwater Safety

Problems Encountered/Corrective Action Taken: None

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ No samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)
☐ No photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)
☒ No Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- 04/07/2022 or 4/8/2022 – Install tubing and flow sensor in one of outfall basins at Port of Portland North Lagoon property (formerly SIUF OU3).

DAILY QUALITY CONTROL REPORT

Signature: 

Title: Upland Stormwater Evaluation Task Manager

4/6/22 SIB - STORMWATER ISCO J. MOORE

0800: ORG. SCOGIC - JOSS MOORE

BH_2O - ANNA ST. JOHN
JUSTIN POUNDS

GRAVITY - LOGAN NELSON

* SCOPE: RECON AND INSTALL ISCO AUTO SAMPLERS AT USCG, SUAN ISLAND BARGE CO.

* CONTACT TALCAHE H&S MEETING - INCLUDING PROPERTY ACCESS AHA.

* ACCESS TO ALL LOCATIONS VIA VESSEL RV MAKAMA.

* CAN USCG PRIOR TO MOB TO UR-198

0920: MOB TO USCG SHORELINE.

0930: ARRIVE AT USCG SHORELINE BELOW UR-198. TAKE PICTURES OF INITIAL SITE CONDITIONS.

4/6/22 SIB - STORMWATER ISCO J. MOORE

- CLEAR UNDERGROWTH TO MAKE A PATH TO THE OUTFALL.
- 18" BLACK PLASTIC CORRUGATED POLYS PIPE - NO WEIR. NO SOLIDS IN PIPE, WATER TRICKLE
- PROGRAM ISCO. ISB1163324
  - EXTENDED
  - USCG UR-198
  - UNITS - FT, CFS, CF, FPS
  - FLOW - AREA * VELOCITY
  - 5 MIN INTERVAL
  - 1 BOTTLE 9.4L
  - 50 FT SAMPLE LINE
  - 0 RAISE 3 RETRY
  - ONE PART PROGRAM.
  - ENTIRE SAMPLE.
  - 30 SAMPLES 1 MIN APART
  - 301 ml PER SAMPLE
  - NOT FLOW BASED.

4/6/22 SIB - STORMWATER ISCO J. MOORE

1115: INSTALL COMPLETE - FLOW DATA MODULE RUNNING, SAMPLER ON STANDBY UNTIL TRIGGERED.
- LEAVE USCG WR-198.
- MOB TO WR-186 BARGE EAGLE.

1145: APPROACH WR-186 FROM NORTH SIDE GANGWAY. 15" CORRUGATED METAL ROUND PIPE, TRICKLE FLOW, NO SEDIMENT. PREPARE TO INSTALL. UPDATE ISCO FIRMWARE TO 3.6.

* ISCO PROGRAM 1599913489
- EXTENDED 1
- BE-WR-186
- 5 MIN DATA INTERVAL
- 1 9.46 L BOTTLE
- 6ft TUBE LENGTH

4/6/22 SIB STORMWATER ISCO J. MOORE

- AUTO SUCTION
- ORIDE 3 REFILL
- 1 PART PROGRAM
- UNIFORM TIME PACED
- 1 IN 30 SAMPLES 301 mL
- RECENT ENABLE
NO SAMPLE AT DISABLE
SAMPLE AT ENABLE
- FLOW MODULE REGAINING, SAMPLER ON STANDBY.

1230: LEAVE BARGE EAGLE WR-186 MOB TO WR-15 NEWPAPERBOX

1245: ARRIVE AT WR-15 - CLEAR BLAMBLES ON APPROACH TO OUTFALL
- 7-5" ID GREEN SMOOTH PLASTIC ROUND, TRICKLE FLOW, NO SEDIMENT
- PREPARE ISCO, DOWNLOAD FIRMWARE 3.6.

* PROGRAM ISCO - 1512047801

4/6/22 SIB + STORMWATER ISCO J. Moore

- EXTENSION
- NWPB - WR-15
- UNITS - FT, CFS, CF, FPS
- 7.75" PIPE ID (0.646 FT)
- 5 MIN DATA INTERVAL
- 1 BOTTLE 9.46L
- TUBE LENGTH
- 0 RINSE 3 RETRYS
- 1 PART PROGRAM
- UNIFORM TIME BASED
- 30 SAMPLES 301 mL
- SAMPLE AT ENABLE
- FLOW SENSOR RUNNING SAMPLER ON STANDBY

1345: INSTALL COMPLETE, LEAVE WR-15. MOB BACK TO US ECOLOGY.

1600: DEMOB - VESSEL OFF WATER - CREW LEAVE US ECOLOGY

JM

Private Outfall Sampling Equipment Installation Photo Log - 040622

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
1 IMG_0904	ASJ	Outfall WR-198 area (black corrugated HDPE pipe) at USCG MSU before vegetation cleared. IMG_0904 (ASJ iPhone)	N	4/6/2022	0933	N/A	N/A
2 IMG_0905	ASJ	Outfall WR-198 area (black corrugated HDPE pipe) at USCG MSU after vegetation cleared. IMG_0905 (ASJ iPhone)	N	4/6/2022	0939	N/A	N/A
3 IMG_0908	ASJ	Outfall WR-198 at USCG MSU. 18-inch inside diameter. No solids. Trickle of flow. IMG_0908 (ASJ iPhone)	Down	4/6/2022	1015	N/A	N/A
4 IMG_0910	ASJ	Outfall WR-198 at USCG MSU. Installation of flow sensor and tubing on SS liner to be installed inside 18-inch id outfall. IMG_0910 (ASJ iPhone)	Down	4/6/2022	1028	N/A	N/A
5 IMG_0911	ASJ	Outfall WR-198 at USCG MSU. Installation of flow sensor and tubing inside 18-inch id outfall. Red cap on tubing removed. IMG_0911 (ASJ iPhone)	Down	4/6/2022	1031	N/A	N/A
6 IMG_0915	ASJ	ISCO autosampler installed adjacent to outfall WR-198 at USCG MSU. IMG_0915 (ASJ iPhone)	NW	4/6/2022	1100	N/A	N/A
7 IMG_0916	ASJ	ISCO autosampler installed adjacent to outfall WR-198 at USCG MSU. Photograph taken from near the base of the riverbank. IMG_0916 (ASJ iPhone)	N	4/6/2022	1100	N/A	N/A
8 IMG-0921	ASJ	First landing at Barge Eagle south of pier. IMG_0921 (ASJ iPhone)	Down	4/6/2022	1126	N/A	N/A
9 IMG_0924	ASJ	Barge Eagle outfall WR-186 area before installation. No vegetation clearing required. IMG_0924 (ASJ iPhone)	NE	4/6/2022	1131	N/A	N/A
10 IMG_0926	ASJ	Second landing at Barge Eagle from the north near concrete launch, closer to WR-186. IMG_0926 (ASJ iPhone)	N	4/6/2022	1148	N/A	N/A
11 IMG_0927	ASJ	Barge Eagle outfall WR-186 with uninstalled liner for flow sensor and tubing. 15-inch, id, corrugated steel pipe. No solids. More flow than WR-198 (<1 gpm). IMG_0927 (ASJ iPhone)	N	4/6/2022	1152	N/A	N/A
12 IMG_0928	ASJ	Barge Eagle outfall WR-186 area with liner, flow sensor and tubing. IMG_0928 (ASJ iPhone)	Down	4/6/2022	1206	N/A	N/A
13 IMG_0929	ASJ	Barge Eagle outfall WR-186 with ISCO autosampler. IMG_0929 (ASJ iPhone)	N	4/6/2022	1225	N/A	N/A
14 IMG_0931	ASJ	Barge Eagle outfall WR-186 with ISCO autosampler farther down the riverbank. IMG_0931 (ASJ iPhone)	N	4/6/2022	1226	N/A	N/A
15 IMG_0933	ASJ	Barge Eagle outfall WR-186 with ISCO autosampler farther down the riverbank. IMG_0933 (ASJ iPhone)	N	4/6/2022	1226	N/A	N/A
16 IMG_0934	ASJ	Departing Barge Eagle outfall WR-186 area near concrete launch. IMG_0934 (ASJ iPhone)	N	4/6/2022	1229	N/A	N/A
17 IMG_0935	ASJ	Northwest Paperbox Manufacturing outfall WR-15 approach. Minor vegetation clearing needed. IMG_0935 (ASJ iPhone)	NE	4/6/2022	1246	N/A	N/A
18 IMG_0937	ASJ	Northwest Paperbox Manufacturing outfall WR-15 after minor clearing. $7^{3/4}$ id PVC. No solids. IMG_0937 (ASJ iPhone)	E	4/6/2022	1256	N/A	N/A
19 IMG_0940	ASJ	Northwest Paperbox Manufacturing outfall WR-15 liner with flow sensor and tubing. IMG_0940 (ASJ iPhone)	Down	4/6/2022	1313	N/A	N/A

Private Outfall Sampling Equipment Installation Photo Log - 040622

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
20 IMG_0942	ASJ	Northwest Paperbox Manufacturing outfall WR-15 liner with ISCO autosampler. The only available liner was too large for pipe and installed near mouth of pipe (may affect flow readings but not water quality). IMG_0942 (ASJ iPhone)	ENE	4/6/2022	1337	N/A	N/A
21 IMG_0943	ASJ	Northwest Paperbox Manufacturing outfall WR-15 liner with ISCO autosampler. Photograph taken lower on the riverbank. IMG_0943 (ASJ iPhone)	NE	4/6/2022	1338	N/A	N/A

DAILY QUALITY CONTROL REPORT



Photograph 1. Outfall WR-198 area (black corrugated HDPE pipe) at USCG MSU before vegetation cleared. IMG_0904 (ASJ iPhone)



Photograph 2. Outfall WR-198 area (black corrugated HDPE pipe) at USCG MSU after vegetation cleared. IMG_0905 (ASJ iPhone)

DAILY QUALITY CONTROL REPORT



Photograph 3. Outfall WR-198 at USCG MSU. 18-inch inside diameter. No solids. Trickle of flow. IMG_0908 (ASJ iPhone)



Photograph 4. Outfall WR-198 at USCG MSU. Installation of flow sensor and tubing on SS liner to be installed inside 18-inch id outfall. IMG_0910 (ASJ iPhone)



Photograph 5. Outfall WR-198 at USCG MSU. Installation of flow sensor and tubing inside 18-inch id outfall. Red cap on tubing removed. IMG_0911 (ASJ iPhone)



Photograph 6. ISCO autosampler installed adjacent to outfall WR-198 at USCG MSU. IMG_0915 (ASJ iPhone)



Photograph 7. ISCO autosampler installed adjacent to outfall WR-198 at USCG MSU. Photograph taken from near the base of the riverbank. IMG_0916 (ASJ iPhone)



Photograph 8. First landing at Barge Eagle south of pier. IMG_0921 (ASJ iPhone)



Photograph 9. Barge Eagle outfall WR-186 area before installation. No vegetation clearing required. IMG_0924 (ASJ iPhone)



Photograph 10. Second landing at Barge Eagle from the north near concrete launch, closer to WR-186. IMG_0926 (ASJ iPhone)



Photograph 11. Barge Eagle outfall WR-186 with uninstalled liner for flow sensor and tubing. 15-inch, id, corrugated steel pipe. No solids. More flow than WR-198 (<1 gpm). IMG_0927 (ASJ iPhone)



Photograph 12. Barge Eagle outfall WR-186 area with liner, flow sensor and tubing. IMG_0928 (ASJ iPhone)



Photograph 13. Barge Eagle outfall WR-186 with ISCO autosampler. IMG_0929 (ASJ iPhone)



Photograph 14. Barge Eagle outfall WR-186 with ISCO autosampler farther down the riverbank. IMG_0931 (ASJ iPhone)



Photograph 15. Barge Eagle outfall WR-186 with ISCO autosampler farther down the riverbank. IMG_0933 (ASJ iPhone)



Photograph 16. Departing Barge Eagle outfall WR-186 area near concrete launch. IMG_0934 (ASJ iPhone)



Photograph 17. Northwest Paperbox Manufacturing outfall WR-15 approach. Minor vegetation clearing needed. IMG_0935 (ASJ iPhone)



Photograph 18. Northwest Paperbox Manufacturing outfall WR-15 after minor clearing. $7^{3/4}$ id PVC. No solids. IMG_0937 (ASJ iPhone)



Photograph 19. Northwest Paperbox Manufacturing outfall WR-15 liner with flow sensor and tubing. IMG_0940 (ASJ iPhone)



Photograph 20. Northwest Paperbox Manufacturing outfall WR-15 liner with ISCO autosampler. The only available liner was too large for pipe and installed near mouth of pipe (may affect flow readings but not water quality). IMG_0942 (ASJ iPhone)



Photograph 21. Northwest Paperbox Manufacturing outfall WR-15 liner with ISCO autosampler. Photograph taken lower on the riverbank. IMG_0943 (ASJ iPhone)

HydroGeoLogic, Inc
Exceeding Expectations

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [x] Health and Safety Plan Addendum: ACCESS AHA
- [ ] Other: ___

Date/Time: 4/6/22 0800 hrs

Client: DTNA / UIGOR

Location: SWAN ISLAND BASIN - POA

Job No.: DTNA 2062

Meeting/training conducted by: Josi Mone 0800 hrs.

Work Activities: STORMWATER ISCO INSTALLATION.

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCS - LOW LEVEL.

Physical Hazards: OVERWATER ACCESS

Specific Safety Topic(s): PROGRAM ACCESS AHA

Specific Training Covered: ACCESS AHA, BUDDY SYSTEM AND PROPERTY OWNER COMMUNICATION.

Attendees

Name Printed and Employee Number:	Signature:
ANNA ST JOHN, BH20	
Justin Pounds, BH20	
Logan Nelson, Gravity	

DAILY FIELD REPORT

DATE: 4/7/2022
PLANNED ACTIVITY PERIOD: 4/4/2022-4/7/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:					Sunny		
Temperature:					60s		
Wind:					10E		
Humidity:					29%		

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002

HGL Staff: None

Teaming Partners/Subcontractors: Anna St. John (Bridgewater; Task FM) / Joss Moore (Orbislogic, Task FM)

Regulatory Oversight: None

Equipment On Site: ISCO autosamplers and flow sensors, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Installed tubing in WR-30 catch basin and ISCO autosampler adjacent to it. No solids observed in pipe. No flow.

Quality Control Activities (including field calibrations): None

Health and Safety Activities: Tailgate safety – vehicle traffic, trip hazards

Problems Encountered/Corrective Action Taken: None

Special Notes: There were five poorly maintained catch basins at the property. Three had been previously sampled, WR-30, WR-32 and WR-34. We chose to monitor WR-30 because of some historical low-level PCB detections. See the attached figure and table for more information.

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ No samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)
☐ No photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)
☒ No Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- None

Signature: 

Title: Upland Stormwater Evaluation Task Manager

4/7/22 SJB - STORMWATER ISCO J. Moore

1030 : LOAD VEHICLE FOR STORMWATER ISCO INSTALLATION.

1100 : MEET AT SWAN ISLAND PART OF JOHNSONS FALLOUT.

* GEOLOGIC - JOEY MOORE
BH2O - ANNA ST. JOHN.

* SCOPE - TO INSTALL ISCO AT CATCH BASIN CLOSEST TO OUTFALL TO WR-30.

1115 : CONDUCT TAILGATE MEETING.
- MEET PERMIT OWNER TO GET ACCESS TO PERIMETER GATE - CODE 2010.
- IDENTIFY AN OUTFALL CATCH BASINS - FIND WR-30. PREPARE TO INSTALL ISCO.

* UPDATE ISCO PUMP RATE TO 3.6.

- CATCH BASIN - 24" x 13" BY

4/6/22 SIB - STIMULATION ISCO J. Mora

4 ft DEEP POURED CONCRETE RECTANGLE VAULT. SINGLE 8" ROUND CORRUGATED STEEL PIPE LEADING FROM VAULT TO WR-30 - OLD GEOTECH/TSI FILTER IN WATER. NO SIGN OF FLOW.

- PROGRAM ISCO 1599912537
  - EXTENDED 1
  - POP-WR-30
  - FT, CFS, cf, FPS
  - 0 offset
  - AREA X VELOCITY
  - 8" ROUND PIPE
  - NO FLOW SENSOR
  - 1 SAMPLE 9.46 L
  - 9 FT SAMPLE TUBE
  - AUTO SUCTION
  - 0 RINSE 3 RETRIES

4/7/22 SIB - STIMULATION ISCO J. Mora

- ONE PAIL PROGRAM
- PAUSED AT INLET
- 1 SAMPLE - 9500 mL
- NOT ENABLED BY FLOW
- NO DELAYED START.
- ISCO PROGRAMMED BUT ON STANDBY.

1315: INSTALL COMPLETE. LEAVE WR-30, MOB TO WATER TO SECURE ISCO INSTALLATION.

1600: ORBIS LOGIC ARRIVE.

JM

Sources:
(1) City of Portland Bureau of Environmental Services
- Outfalls
- Drainage Basins (except S-1)
- Collection Lines
- Manholes

(2) Vigor Stormwater Program Staff
- Portland Shipyard Outfalls (June 21, 2021)
- Drainage Basin S-1

(3) Oregon Metro Regional Land Information System
- Tax Lots (July 23, 2020)

(4) NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf
- Navigation Channel

M-1
M-2
M-3
MOCKS BOTTOM
SWAN ISLAND
S-1
S-2
Swan Island Basin Project Area
USCG MSU
SWG MSG
ATC Leasing
Barge Eagle
North Basin Watamull
Port of Portland
DTNA Corp 5
OFM-1
OFM-2
OFM-3
OFM-4
OFM-5
OFM-6
OFM-6 (old)
OFS-1
OFS-2
OFS-3
OF-47-1
OF-47-2
HVS ILS MSG
ILS MSG
N CUTTER
N LEMERSON
N WEBSTER
N BASIN
N CHANNEL
N COMMERCE
N DOLPHIN
N BALTIMORE
N ANCHOR
N FATHOM
N EXTENSION
2006
2009
2016
2018
Willamette River
0 Feet 800
2020 Aerial Photo from City of Portland

Stormwater Line
2006 Stormwater Line Cleaning
AAP951 Manhole
Drainage Basin
Navigation Channel
Tax Lot Boundary

Proposed Sampling Methods

SWG Stormwater Grab
ILS In-Line Solids
HVS In-Line Solids and Stormwater
MSG Manual Solids Grab

Symbols repeated for sampling of multiple laterals at indicated manhole

Outfalls

Active
Inactive
Abandoned
Unknown
Active - City of Portland Municipal Outfalls (M-1, M-2, M-3, S-1 and S-2)
Inactive - Former Non-Contact Cooling Water Discharge Points (WR-436 through WR-439)

Notes:
HVS - High Volume Sampling
NOAA - National Oceanic and Atmospheric Administration
RI/FS - Remedial Investigation/Feasibility Study
ROD - Record of Decision
USEPA - United States Environmental Protection Agency

(1) The high volume sampling system sampling methodology includes pumping stormwater at a consistent rate over the duration of the storm and running high volumes of water through the HVS system to distinguish between the dissolved and solids fractions and obtain ROD Cleanup Levels for focused contaminants of concern.
(2) The in-line sediment trap design is similar to that utilized in the USEPA-approved Round 3A Stormwater Field Sampling Plan, Portland Harbor RI/FS (LWG, 2007). If possible, one trap will be installed in each lateral.
(3) Manual stormwater solid grab samples will be collected at time of manhole entry if a minimum of 8-oz of solids are present in manhole/lateral. If less then 8-oz of solids are present, then the manual grab sample locations shall be abandoned and alternative upstream locations will be inspected and selected.
(4) Stormwater grab samples will be collected using ISCO auto-samplers.
(5) Where visual outfall inspections reveal the presence of solids, a single composite manual grab sample will be collected from all outfalls on the property.

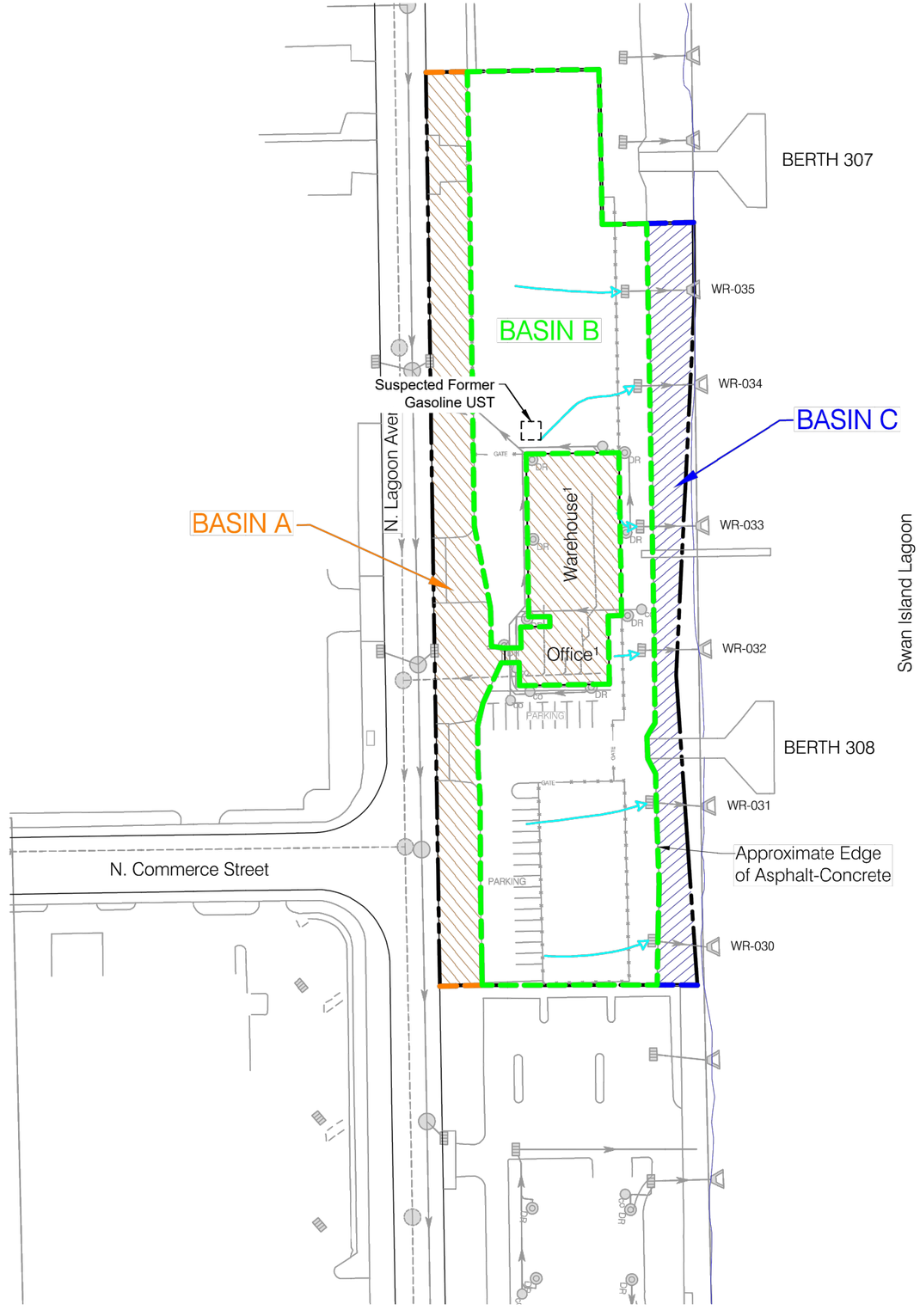
Figure 3-1
Proposed Stormwater Sampling Locations

Prepared on 11/9/2021

Stormwater and Riverbank Assessment and Sampling Plan
Swan Island Basin

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

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Legend:

- Operable Unit 3 Boundary
- WR-035 Inlet and Outfall Pipe and Number
- Storm Sewer Line and Flow Direction
- Sanitary Line and Flow Direction
- DR Roof Drain
- CO Cleanout
- Manhole
- Catch Basin
- Approximate Storm Water Flow Direction

[1] Building roof drains are connected to the public storm sewer that runs along N. Lagoon Avenue. Runoff from paved areas mainly discharges to inlets connected to 10-inch corrugated metal pipes. Runoff from driveways near N. Lagoon Avenue discharge by sheet flow to catch basins along N. Lagoon Avenue.

0 Feet 100

Source:
Ash Creek Associates, 2012

Figure D-8

Swan Island Upland Facility
Operable Unit 3
Facility Plan

Confidential Attorney/Client Work Product.
PREPARED IN ANTICIPATION OF LITIGATION.
Prepared on 5/31/2021

Sufficiency Assessment Report
Swan Island Basin Project Area

PACIFIC groundwater GROUP
HGL HydroGeoLogic, Inc
MOTT MACDONALD
BRIDGEWATER GROUP

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Table **E.17a** - Chemical Analytical Results: Storm Water
SIUF - OU3
Portland, Oregon

	ROD CUL Portland Harbor[1]	WR-030					WR-032			WR-034				
		2/23/2009	3/14/2009		4/12/2009	4/28/2009	2/23/2009	3/14/2009		2/23/2009	3/14/2009		4/12/2009	4/28/2009
		Total	Total	Dissolved	Total	Total	Total	Total	Dissolved	Total	Total	Dissolved	Total	Total
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Total Suspended Solids	--	140,000	20,000	--	10,000	10,000	50,000	20,000	--	20,000	<10,000	--	<10,000	<10,000
Metals/Inorganics														
Aluminum (pH 6.5 - 9.0)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	0.018	1.41	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Arsenic III	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	0.544	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.23	<0.500	<0.500	<0.500	<0.500
Chromium, total	100	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, hexavalent	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	2.74	59.7	13.5	10.6	13.1	14.1	23.3	17.8	13.7	33.6	6.96	6.25	12.7	16.4
Lead	--	75.3	3.88	<1.00	8.13	1.87	10.4	2.13	<1.00	9.35	<1.00	<1.00	2.6	1.46
Manganese	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	--	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Methyl Mercury	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	36.5	228	124	109	236	138	134	84.4	82.2	498	78.0	83.2	101	134
Perchlorate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyltins														
Monobutyltin	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibutyltin	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tributyltin	0.063	<0.0020	<0.0019	--	<0.0019	<0.0019	<0.0020	<0.0019	--	<0.0019	<0.0019	--	<0.0019	<0.0019
Tetrabutyltin	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs Aroclors	6.4E-6													
Aroclor 1016	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1221	--	<0.0943	<0.0962	--	<0.0952	<0.105	<0.0957	<0.0952	--	<0.100	<0.0962	--	<0.0952	<0.105
Aroclor 1232	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1242	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1248	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1254	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1260	--	0.429	<0.0481	--	0.197	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1262	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Aroclor 1268	--	<0.0472	<0.0481	--	<0.0476	<0.0526	<0.0478	<0.0476	--	<0.0500	<0.0481	--	<0.0476	<0.0526
Phthalate Esters														
Dimethylphthalate	--	<0.962	<0.952	--	<0.952	<0.990	<0.971	<0.962	--	<0.990	<0.952	--	<0.952	<1.0
Diethylphthalate	--	<0.962	<0.952	--	<0.952	<0.990	<0.971	<0.962	--	<0.990	<0.952	--	<0.952	<1.0
Di-n-butylphthalate	--	<0.962	<0.952	--	<0.952	<0.990	<0.971	<0.962	--	<0.990	<0.952	--	<0.952	<1.0
Butylbenzylphthalate	--	<0.962	<0.952	--	<0.952	<0.990	<0.971	<0.962	--	<0.990	<0.952	--	<0.952	<1.0
Di-n-octylphthalate	--	<0.962	<0.952	--	<0.952	<0.990	<0.971	<0.962	--	<0.990	<0.952	--	<0.952	<1.0
bis(2-Ethylhexyl)phthalate	0.2	1.52	<0.952	--	<0.952	<0.990	1.99	1.22	--	5.67	<0.952	--	<0.952	<1.0
PAHs														
Naphthalene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
2-Methylnaphthalene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Acenaphthylene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Acenaphthene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Fluorene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Phenanthrene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Anthracene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Fluoranthene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Pyrene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Benzo(a)anthracene	0.0012	0.0118	<0.00476	--	<0.00476	<0.00495	0.0057	<0.00481	--	0.00884	<0.00476	--	<0.00476	<0.005
Chrysene	0.0013	0.0297	<0.00476	--	0.00631	<0.00495	0.0181	0.00985	--	0.0442	<0.00476	--	0.0076	0.00632
Benzo(b)fluoranthene	0.0012	0.0209	<0.00476	--	<0.00476	<0.00495	0.00871	0.00959	--	<0.0200	<0.00476	--	<0.00476	<0.005
Benzo(k)fluoranthene	0.0013	0.0128	<0.00476	--	<0.00476	<0.00495	0.00656	0.00624	--	<0.0150	<0.00476	--	<0.00476	<0.005
Benzo(a)pyrene	0.00012	0.0134	<0.00476	--	<0.00476	<0.00495	0.00524	<0.00481	--	<0.0100	<0.00476	--	<0.00476	<0.005
Indeno(1,2,3-cd)pyrene	0.0012	0.0119	<0.00476	--	<0.00476	<0.00495	0.00512	0.00622	--	0.00852	<0.00476	--	<0.00476	<0.005
Dibenz(a,h)anthracene	0.0001	<0.0048	<0.00476	--	<0.00476	<0.00495	<0.004476	<0.00481	--	<0.00500	<0.00476	--	<0.00476	<0.005
Benzo(g,h,i)perylene	--	<0.0959	<0.0952	--	<0.0952	<0.0990	<0.0952	<0.0962	--	<0.100	<0.0952	--	<0.0952	<0.1
Other Analytes														
TPH Diesel	--	<240	<245	--	<240	<263	<240	<240	--	241	<243	--	<245	<243
TPH Heavy	--	<481	<490	--	<481	<526	<481	<481	--	648	<485	--	<490	<485
Oil TPH-Gx	--	<80	<80	--	<80	<80	<160	<80	--	<1,600	<80	--	<80	<80
Total Organic Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

1. Cleanup Levels for Portland Harbor Superfund Site (Record of Decision Errata #2)(USEPA, 2020).
2. **Bold** = Detected above the method reporting limit (MRL).
3. < = Not detected above the MRL.
4. -- = Not analyzed or not available.
5. Shading indicates a detection that exceeds the screening criteria.
6. µg/L = Micrograms per liter.
7. PCBs = Polychlorinated biphenyls.
8. PAHs = Polycyclic aromatic hydrocarbons.
9. TPH = Total petroleum hydrocarbons.

Table **E.17b** - Chemical Analytical Results: Storm Water Solids
SIUF - OU3
Portland, Oregon

	ROD CUL[1]	SIUF-Inlet (7/22/2008)	SIUF-Lines (7/22/2008)	Ecology 1995 Roadway Inlet Study
Units	µg/kg	µg/kg	µg/kg	µg/kg
Metals/Inorganics				
Aluminum (pH 6.5 - 9.0)	--	--	--	--
Antimony	--	--	--	--
Arsenic	3000	33,100	5,860	4,000 - 56,000
Arsenic III	--	--	--	--
Cadmium	510	1,810	1,360	500 - 5,000
Chromium, total	--	--	--	13,000 - 241,000
Chromium, hexavalent	--	--	--	--
Copper	359,000	390,000	196,000	12,000 - 730,000
Lead	--	523,000	316,000	4,000 - 850,000
Manganese	--			--
Mercury	85	1,790	2,830	--
Methyl Mercury	--	--	--	--
Nickel	--	--	--	14,000 - 86,000
Selenium	--	--	--	--
Silver	--	--	--	--
Zinc	459,000	541,000	545,000	50,000 - 2,000,000
Perchlorate	--	--	--	--
Cyanide	--	--	--	--
Butyltins[12]				
Monobutyltin	--	--	--	--
Dibutyltin	--	--	--	--
Tributyltin	3080	--	--	--
Tetrabutyltin	--	--	--	--
PCBs Aroclors				
Aroclor 1016	--	<179	<260	--
Aroclor 1221	--	<179	<260	--
Aroclor 1232	--	<179	<260	--
Aroclor 1242	--	<179	<260	--
Aroclor 1248	--	<179	<260	--
Aroclor 1254	--	<179	<260	--
Aroclor 1260	--	499	1,490	--
Aroclor 1262	--	<179	<260	--
Aroclor 1268	--	<179	<260	--
Total PCBs	9	499	1,490	--
PCB Congeners				
Phthalate Esters				
Dimethylphthalate	--	<1,670	<14,600	--
Diethylphthalate	--	<1,670	<14,600	--
Di-n-butylphthalate	--	<1,670	<14,600	--
Butylbenzylphthalate	--	<1,670	<14,600	--
Di-n-octylphthalate	--	<1,670	<14,600	--
bis(2-Ethylhexyl)phthalate		2,830	21,800	--
PAHs	23,000	1,369	31,320	360 - 417,000 (Total PAHs)
Naphthalene		<416	<1,460	--
2-Methylnaphthalene		--	--	--
Acenaphthylene		<416	<1,460	--
Acenaphthene		<416	<1,460	--
Fluorene		<416	<1,460	--
Phenanthrene		<416	1,790	--
Anthracene		<416	<1,460	--
Fluoranthene		513	4,160	--
Pyrene		431	5,000	--
Benzo(a)anthracene		<416	2,490	--
Chrysene		425	11,000	--
Benzo(b)fluoranthene		<416	3,190	--
Benzo(k)fluoranthene		<416	<1,460	--
Benzo(a)pyrene		<416	1,810	--
Indeno(1,2,3-cd)pyrene		<416	<1,460	--
Dibenz(a,h)anthracene		<416	<1,460	--
Benzo(g,h,i)perylene		<416	1,880	--
Other Analytes				123,000 - 11,049,000 (Total TPH)
TPH Diesel	91,000	<761	6,810,000	--
TPH Heavy	--	1,590,000	59,600,000	--
Oil TPH-Gx	--	<4,810	<8,010	--
Total Organic Carbon	--			
Total Solids	--			

Notes:
1. The source of each CUL is documented in Table 17 of the 2017 Portland Harbor Record of Decision (USEPA, 2020 Errata #2)
Bold = Detected above the method reporting limit (MRL).
< = Not detected above the MRL.
-- = Not analyzed or not available.
Shading indicates a detection that exceeds the screening criteria.
µg/kg = Micrograms per kilogram.

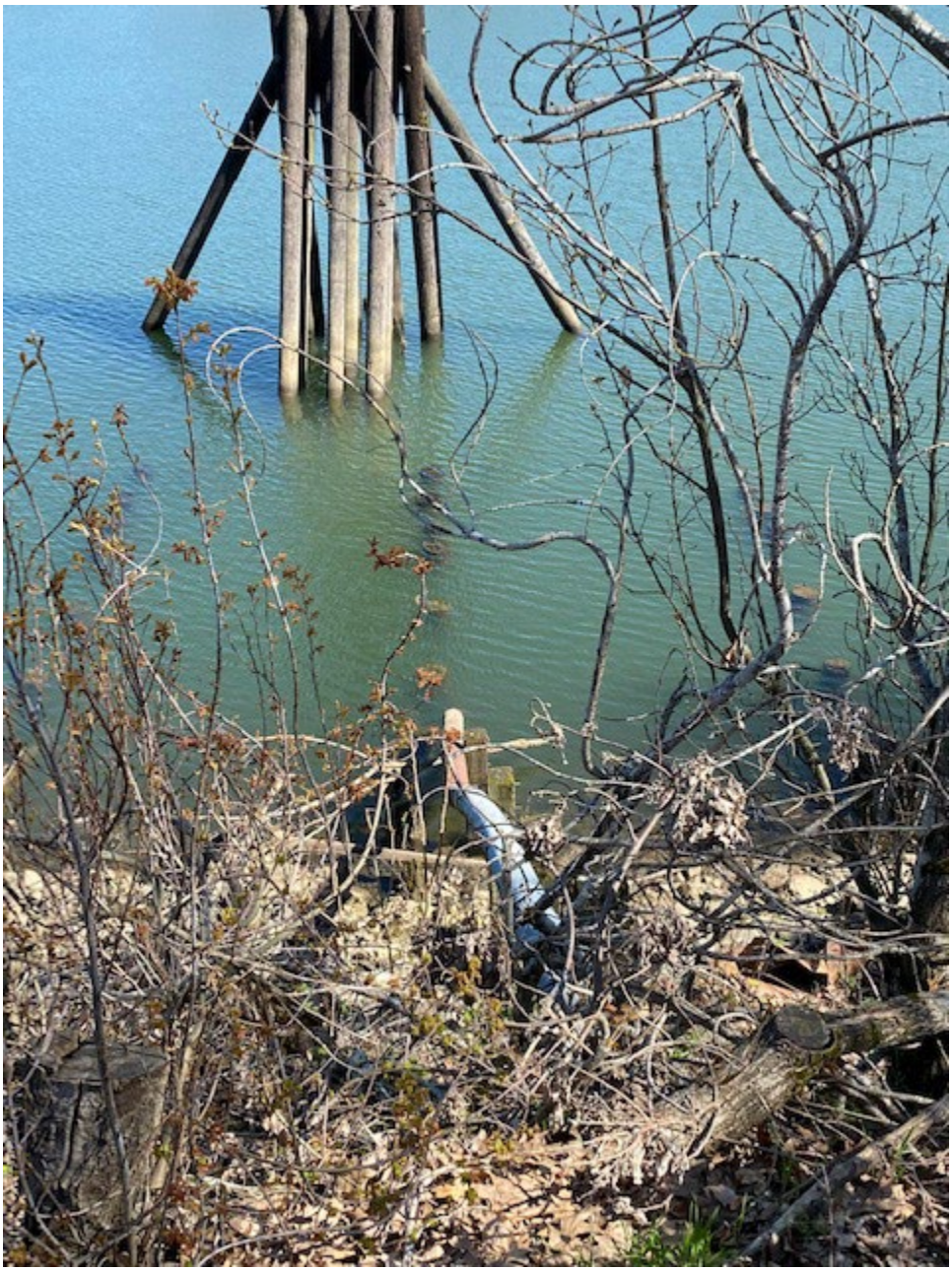
Private Outfall Sampling Equipment Installation Photo Log - 040722

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
1 IMG_0944	ASJ	WR-30 catch basin with TSS insert.	S	4/7/2022			
2 IMG_0945	ASJ	WR-30 outfall pipe.	E	4/7/2022			
3 IMG_0946	ASJ	WR-31 catch basin with TSS insert.	E	4/7/2022			
4 IMG_0947	ASJ	WR-31 outfall pipe.	E	4/7/2022			
5 IMG_0948	ASJ	WR-32 catch basin with TSS insert.	N	4/7/2022			
6 IMG_0949	ASJ	WR-32 outfall pipe.	E	4/7/2022			
7 IMG_0950	ASJ	WR-33 catch basin with TSS insert.	E	4/7/2022			
8 IMG-0951	ASJ	WR-33 outfall pipe.	E	4/7/2022			
9 IMG_0952	ASJ	WR-34 catch basin with TSS insert.	E	4/7/2022			
10 IMG_0953	ASJ	WR-34 outfall pipe.	E	4/7/2022			
11 IMG_0954	ASJ	WR-35 catch basin with TSS insert.	E	4/7/2022			
12 IMG_0955	ASJ	WR-35 outfall pipe.	E	4/7/2022			
13 IMG_0956	ASJ	WR-30 catch basin with TSS liner removed.	Down	4/7/2022			
14 2022_04_07_12_32_01_888	JM	WR-30 outfall pipe. Photograph taken with Go Pro camera on telescoping pole at depth of 4.4 feet.	E	4/7/2022			
15 IMG_0957	ASJ	WR-30 with ISCO autosampler.	SE	4/7/2022			
16 IMG_0958	ASJ	WR-30 with covered ISCO autosampler.	S	4/7/2022			

DAILY QUALITY CONTROL REPORT



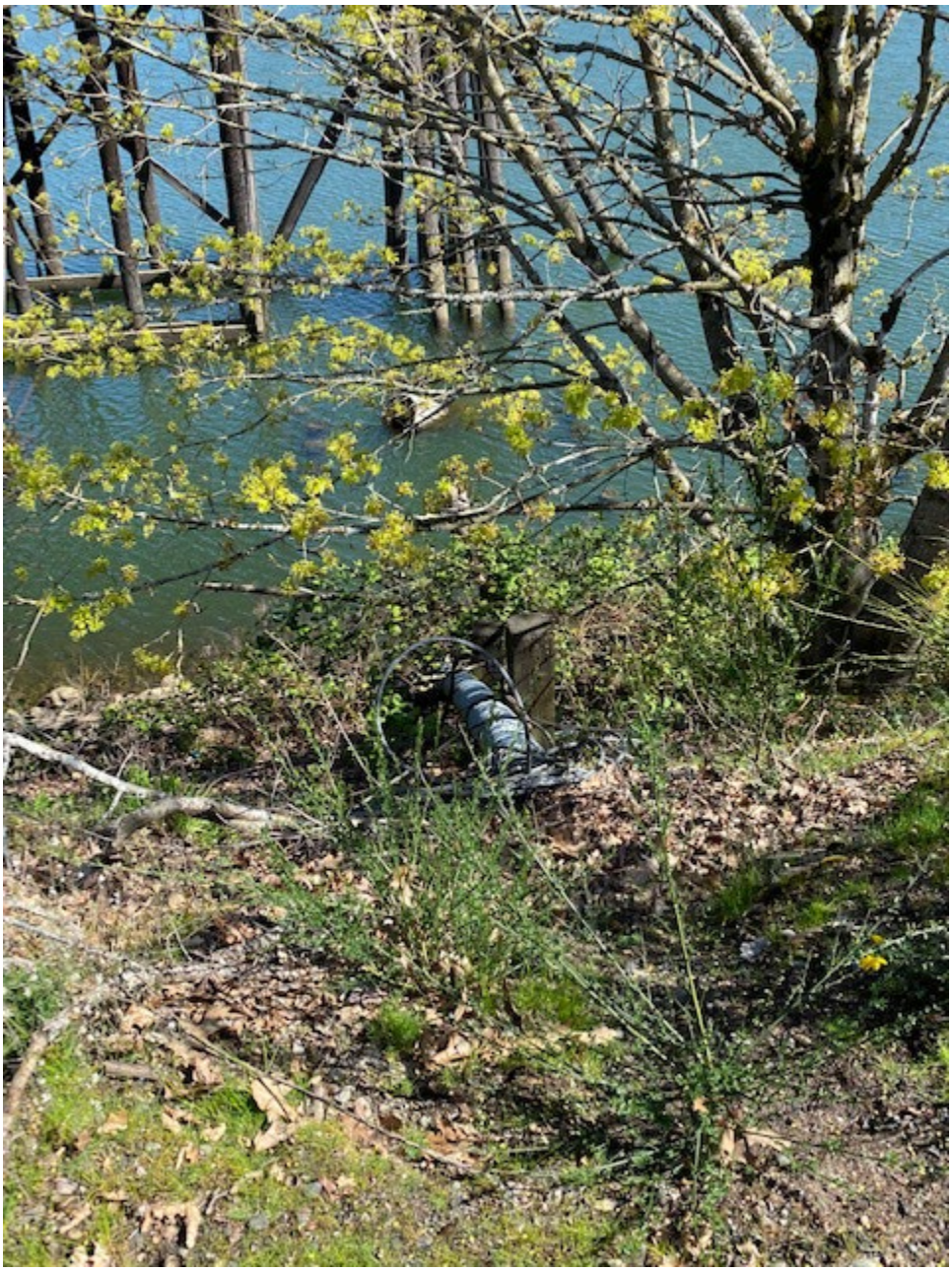
Photograph 1. Catch basin WR-30 area. IMG_0944 (ASJ iPhone)



Photograph 2. Outfall WR-30 corrugated metal pipe (8-inch inside diameter). IMG_0945 (ASJ iPhone)



Photograph 3. WR-31 catch basin. IMG_0946 (ASJ iPhone)



Photograph 4. Outfall WR-31 corrugated metal pipe. IMG_0947 (ASJ iPhone)



Photograph 5. WR-32 catch basin. IMG_0948 (ASJ iPhone)



Photograph 6. Outfall WR-32 corrugated metal pipe. IMG_0949 (ASJ iPhone)



Photograph 7. WR-33 catch basin with TSS insert. IMG_0950 (ASJ iPhone)



Photograph 8. Outfall WR-33 corrugated metal pipe. IMG_0951 (ASJ iPhone)



Photograph 9. WR-34 catch basin with TSS insert. IMG_0952 (ASJ iPhone)



Photograph 10. Outfall WR-34 corrugated metal pipe. IMG_0953 (ASJ iPhone)



Photograph 11. WR-35 catch basin with TSS insert. IMG_0954 (ASJ iPhone)



Photograph 12. Outfall WR-35 corrugated metal pipe. IMG_0955 (ASJ iPhone)



Photograph 13. Catch basin WR-30 with TSS liner removed. IMG_0956 (ASJ iPhone)

DAILY QUALITY CONTROL REPORT



Photograph 14. WR-30 outfall pipe. No solids. 2022_04_07_12_32_01_888 (JM iPhone)



Photograph 15. WR-30 with ISCO autosampler. IMG_0957 (ASJ iPhone)



Photograph 16. WR-30 with covered ISCO autosampler. IMG_0958 (ASJ iPhone)

HGL
HydroGeoLogic, Inc.
Exceeding Expectations

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [ ] Health and Safety Plan Addendum: _____
- [ ] Other: ___

Date/Time: 4/7/22 1115 hrs Client: DTNA/VIGOR

Location: SWAN ISLAND BASIN - POP Job No.: DT2002

Meeting/training conducted by: Jose Monge 4/7/22

Work Activities: SIB STORMWATER ISCO INSTALLATION

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs - STORMWATER

Physical Hazards: PUBLIC TRAFFIC - MANHOLE INSPECTION

Specific Safety Topic(s): —

Specific Training Covered: —

Attendees

Name Printed and Employee Number:	Signature:
ANNA STOTH, ENGINEER GAP	

DAILY FIELD REPORT

DATE:	**5/5/2022**
PLANNED ACTIVITY PERIOD:	**5/5/2022**
Time On Site	**0230 - 1800**

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:					Rain		
Temperature:					49°F		
Wind:					SW 8mph		
Humidity:					88%		

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Orbislogic, Task FM), Shawn Hinz, Rene Trudeau, Ed Sloan, Emma Santana, Larry Lesueur (Gravity), Justin Pounds (BH2O), Katy Martin (TIG oversight), Merrick Johnson (US Ecology vessel capt), Victor Turner, Veronica Rivera, Treston Thomas, Jamal Gaston, Katie Satray, Stephanie Schoene (All About Flagging).

Regulatory Oversight: Pam Hartman, Cort Christopher (CDM Smith, EPA oversight).

Equipment On Site: Five HVS sampling setups, six ISCO auto samplers, US Ecology runner vessel, field vehicles, Traffic Control Plan (TCP) equipment, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System HVS & ISCO Sampling

1) **AAM131** (Vigor, no TCP) - pump 247.5 liters over 3 hours, collect one **HVS** PUF filter sample, three hourly based whole water TSS/TOC samples and, 6 solid fraction pre-filters with vortex solids.
2) **AAQ005** (COP, no TCP) - pump 200 liters over 2 hours 34 mins, collect one **HVS** PUF filter sample, three hourly based whole water TSS/TOC samples and, 13 solid fraction pre-filters with vortex solids.
3) **AAM169** (COP, TCP) - pump 266 liters over 3 hours 26 mins, collect one **HVS** PUF filter sample, three hourly based whole water TSS/TOC samples and, 13 solid fraction pre-filters with vortex solids.
4) **AAP957** (COP, TCP) - pump 222 liters over 3 hours 20 mins, collect one **HVS** PUF filter sample, three hourly based whole water TSS/TOC samples and, 17 solid fraction pre-filters with vortex solids.
5) **AAM107** (COP; TCP) - pump 210 liters over 2 hours 33 mins, collect one **HVS** PUF filter sample, three hourly based whole water TSS/TOC samples and, 3 solid fraction pre-filters with vortex solids.
6) **WR-198** (USCG, shoreline access) – collect 9-liter **ISCO** grab sample via US Ecology vessel
7) **WR-186** (Barge Eagle, shoreline access) – collect 9-liter **ISCO** grab sample via US Ecology vessel
8) **WR-15** (Island Holdings, shoreline access) – collect 9-liter **ISCO** grab sample via US Ecology vessel
9) **WR-428** (DTNA, upland access) – collect 9-liter **ISCO** grab sample
10) **WR-71** (ATC, upland access) – collect 9-liter **ISCO** grab sample

Quality Control Activities (including field calibrations): Calibrate field Water Quality instruments, Calibrate HVS flow rates to 1.5 liters/min, SGS laboratory based PUF filter PCDD/F and PCB spike profiling, MS/MSD and QA/QC volumes provided to ALS laboratory on whole water HVS and ISCO samples

Health and Safety Activities: AHAs – Combative Property Personnel, HVS activities, TCP plan review

Problems Encountered/Corrective Action Taken: Attempted to collect an **ISCO** grab sample from **WR-30** but no stormwater flow was observed so no sample was collected. Project team will evaluate moving the sampling equipment to one of the other outfalls nearby. Because the traffic control personnel did not bring

DAILY QUALITY CONTROL REPORT

enough equipment to set up all lane closures the sampling was delayed at HVS locations AAM107 and AAP957. This traffic control company will not be used again.

Special Notes: None

Other Possible Documentation:

☐ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)

☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)

☒ Calibrations performed (if yes, list above and provide calibration forms)

☒ No unusual events (if yes, describe above in *Special Notes*)

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

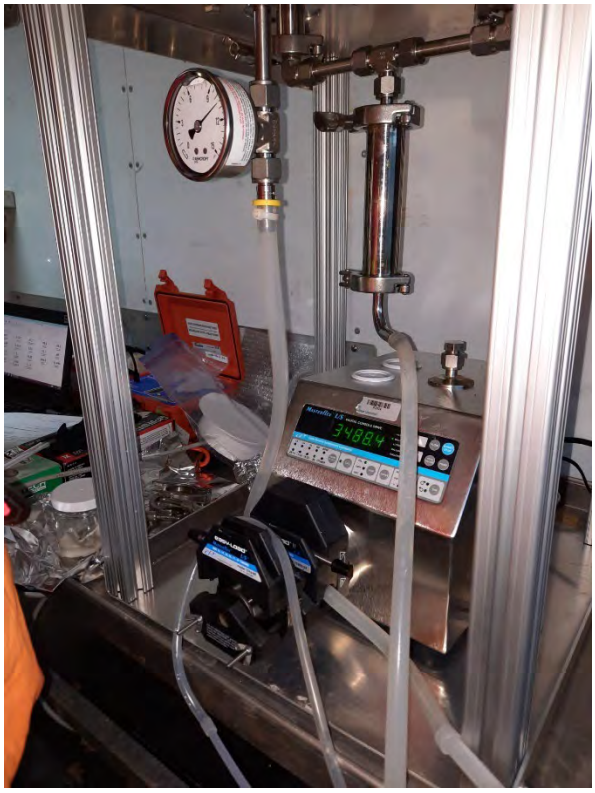
- Process and relinquish/ship HVS & ISCO water and solids fraction sample sets for laboratory analyses

Signature: 

Title: Upland Stormwater Evaluation Task Manager

DAILY QUALITY CONTROL REPORT



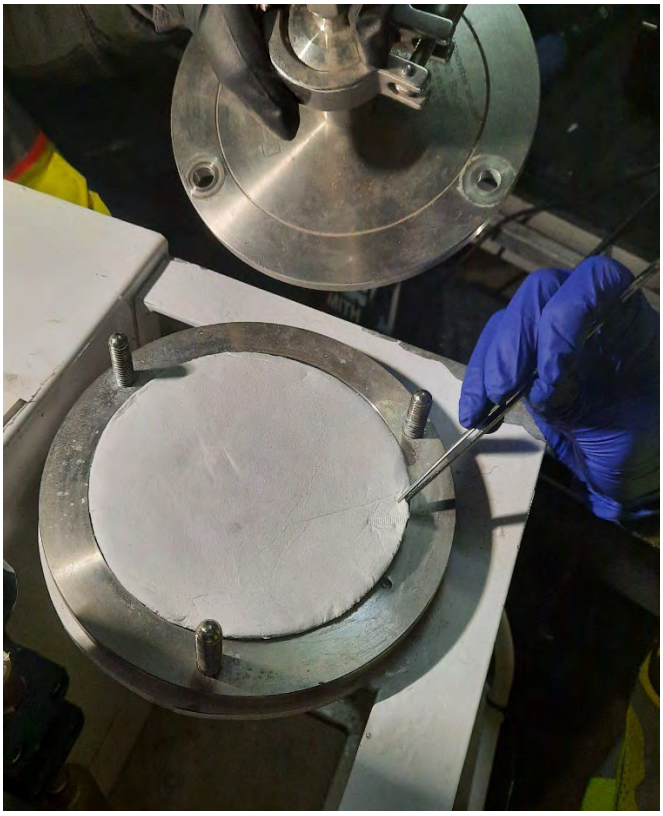


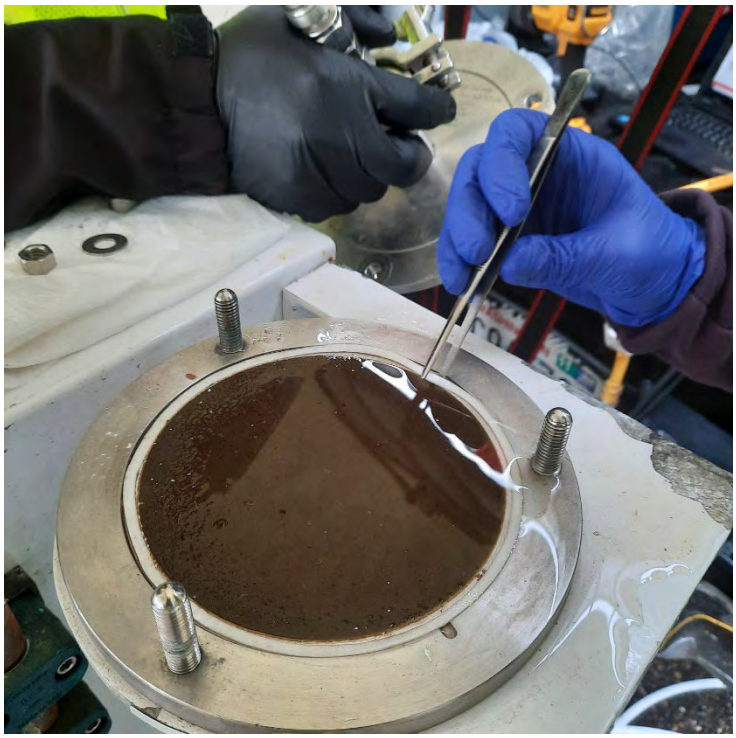
Photograph 1. AAQ005, example HVS mobile field lab setup. (IMG_062051)
Photograph 2. HVS pump with single PUF filter sealed housing installed. (IMG_062216)





Photograph 3. Calibrated flow-through water quality meter and flow meter readout for HVS setup. (IMG_93025)
Photograph 4. HVS pump double flat pre-filter. (IMG_062204)





Photograph 5. Example new HVS flat pre-filter. (IMG_51051)
Photograph 6. Example used HVS flat pre-filter being collected. (IMG_92226)





Photograph 7. Example 20-liter whole water HVS carboy with protective jacket for transit. (IMG_3012)
Photograph 8. Example HVS TSS/TOC 250ml samples, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_3856)





Photograph 9. Example dedicated 40 liter primary carboy receiving whole water from primary pump with sample lines leading to HVS pump and whole water carboy sample container. (IMG_062246)

Photograph 10 AAQ005 vault with HVS primary pump and tubing installed on the rigid truck hitch mounted pole. (IMG_042818)





Photograph 11. AAQ005 20-liter carboy container sample. (IMG_122749)

Photograph 12. AAM131 mobile field lab setup. (IMG_051311)





Photograph 13. AAM131 vault with HVS primary pump and tubing installed on the rigid truck hitch mounted pole. (IMG_062114)

Photograph 14. AAM131 20-liter carboy container sample. (IMG_122749)





Photograph 15. AAM169 20-liter carboy container sample. (IMG_122949)

Photograph 16. AAP957 vault with HVS primary pump and tubing installed on the rigid truck hitch mounted pole. (IMG_122208)





Photograph 17. AAP957 20-liter carboy container sample. (IMG_123134)

Photograph 18. AAM107 vault with HVS primary pump, tubing and flow meter installed on the rigid truck hitch mounted pole. (IMG_133144)





Photograph 19. AAM107 HVS mobile field lab setup (NNW). (IMG_133133)

Photograph 20. AAM107 20-liter carboy container sample. (IMG_123221)





Photograph 21. WR-428 ISCO sampler. (IMG_070749)
Photograph 22. WR-428 ISCO grab sample. (IMG_073124)





Photograph 23. WR-428 ISCO 9-liter grab sample. (IMG_073212)
Photograph 24. WR-198 ISCO sampler. (IMG_083730)





Photograph 25. WR-186 outfall (NE). (IMG_085931)
Photograph 26. WR-186 ISCO sampler (E). (IMG_085950)





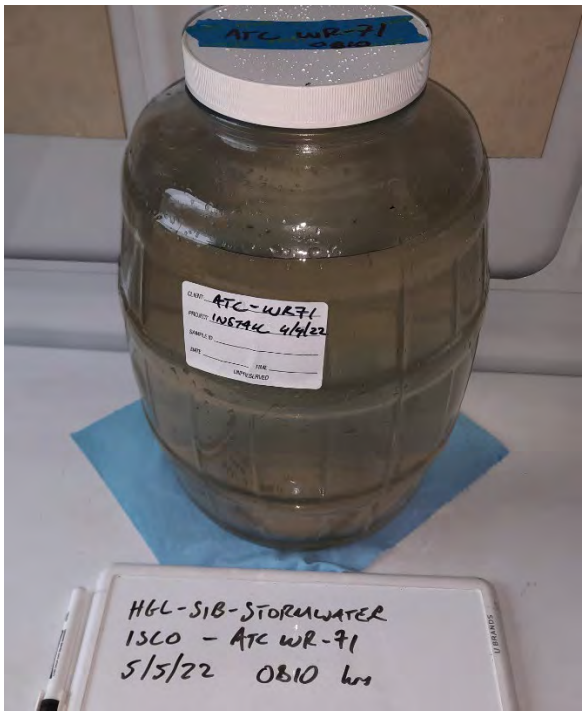
Photograph 27. WR-186 ISCO sampler with sample container. (IMG_090840)
Photograph 28. WR-15 ISCO sampler. (IMG_091948)





Photograph 29. WR-15 ISCO sampler with sample container. (IMG_092534)
Photograph 30. WR-71 ISCO sampler. (IMG_075756)





Photograph 31. WR-71 ISCO sampler with sample container. (IMG_080400)
Photograph 32. WR-71 ISCO 9-liter sample. (IMG_080801)





Photograph 33. WR-30 ISCO sampler location during storm event (N). (IMG_142615)

Photograph 34. WR-30 ISCO sampler catch basin with negligible flow during storm event resulting in no ISCO sample collection. (IMG_142629)

GRAVITY
MARINE SERVICES

orbislogic

Project ID: HGL-SIB DT2002.03.03.03.01

Sampling Personnel:

Gravity PR2900 - Water Sample Log

~~Transect #~~: AAM107 Recorded by: J. Pounds Date: 5/5/22

Location ID	Start Time	End Time	RPM	Flow Rate (mL/min)	Volume Sampled (L)	Pressure (15-20 psi)	Filter Change #	Filter ID #s	Comments
AAM107	1342	~~1347~~ 1422	—	1500 mL	60	~~15~~	1	1	Collect TSS sample
AAM107	1425	1518	—	1500 mL	60	15	1	2	TSS sample collected
AAM107	1518	1615	-	1500	60	15		3	TSS sample collected
					total 210 L				

GRAVITY
MARINE SERVICES

orbislogic

Project ID: DT2002.03.03.03.01

Sampling Personnel: _____

Storm Water Sampling - Water Quality Parameter and Sample Collection Log
SIB PDI

Manole #: AA/107 Recorded by: J. Pounds Date: 5/5/22

Intake Tubing Depth: _____

Water Quality Parameter Readings								Carboy Sample Volume		
Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	~~Turbidity~~ TDS (NTU) mg/L	Flow ~~(cfs)~~ GPM	Start Time	End Time	Sample Volume Added
1342	13.30	6.20	11.37	57.8	188	143	4	1342	1348	3 3 1
~~1355~~ 1406	13.00	6.52	11.05	52.0	160	135	4	1406	1410	3 3 1
1421	13.75	6.68	10.90	28.1	128	105	4	1421	1438	3 1
1438	14.05	6.~~68~~	10.80	23.2	142	121	1	1438	~~1452~~ 1452	1
1452	14.20	6.66	10.51	20.1	138	115	1	1452	1507	1
1507	14.10	6.70	10.40	-20.2	249	208	4	1507	1522	1
1522	14.20	6.75	10.30	-28.3	300	271	3	1522	1537	1
1537	14.30	6.80	10.12	-31.2	353	287	4	1537	1552	1
1552	14.30	6.79	9.20	-30.8	~~394~~ 394	321	4			1
1615	END									

-20 20
-20 20
-20 20
-20 20
20 -20

6:00 AM - PUMP START
5:45 AM - FLOW 0 / VELOCITY 0
DEPTH 0

6:10 -

6:25 restart

GRAVITY
MARINE SERVICES

orbislogic

Project ID: HGL-SIB DT2002.03.03.03.01

Sampling Personnel: E. SLOAN R. TRUDEAU

Gravity PR2900 - Water Sample Log

Transect #: _____ Recorded by: HV-04 Date: 5/5/2022

Location ID	Start Time	End Time	RPM	Flow Rate (mL/min)	Volume Sampled (L)	Pressure (15-20 psi)	Filter Change #	Filter ID #s	Comments
AAM131	~~6:25~~	~~6:40~~ 6:40	1.5 l/min		~~22.5~~ 22.5	13	~~@6:40~~	1	
	6:40	6:55	~~1.5 l/min~~		22.5	~~4~~ 3	@6:50	2	
	~~6:55~~ 6:40	7:10	"		22.5	5		2	
	7:10	7:25	"		22.5	~~4~~ 3.5	@7:18	3	
	7:25	7:40	"		22.5	6	~~@7:40~~	3	
	7:40	7:55	"		22.5	2	@7:45	4	
	7:55	8:10	"		22.5	4		4	
	8:10	8:25	"		22.5	10		4	
	8:25	8:40	"		22.5	3	@8:32	5	
	8:40	8:55	"		22.5	3		5	
	8:55	9:10	"		22.5	~~4~~ 2	@9:10	6	
	9:10	9:25	"		22.5	4		6	

GRAVITY
MARINE SERVICES

orbislogic

Project ID: DT2002.03.03.03.01

Sampling Personnel: E SLOAN
R TRUDEAU

Storm Water Sampling - Water Quality Parameter and Sample Collection Log

SIB PDI

Manole #: AAM 131 Recorded by: HV-04 Date: 5/5/2022

Intake Tubing Depth:

Water Quality Parameter Readings								Carboy Sample Volume		
Time	Temp. (°C)	pH (SU)	DO ~~(mg/L)~~ %	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow ~~(cfs)~~ Ft/s	Start Time	End Time	Sample Volume Added
6:40	10.693	/	~~99.2~~ 99.2		27.6	391	NA	6:35	6:36	1 l
6:55	10.213	/	99.0		10.3	3.86	NA	6:50	6:51	1 l
7:10	9.974		98.9		9.2	2.84	NA	7:06	7:~~09~~10	1 l
7:25	9.856		98.9		8.41	2.98	NA	7:20	7:22	1 l
7:40	9.630		98.8		7.5	4.27	1.721	7:38	7:~~39~~40	1 l
7:55	9.588		98.1		6.6	3.64	1.576	7:51	7:53	1 l
8:10	9.498		98.5		6.1	4.81	1.709	8:08	8:09	1 l
8:25	9.611		99.3		5.6	~~5.43~~ 3.7	1.879	8:23	8:24	1 l
8:40	9.6		99.1		5.1	3.7	1.830	8:37	8:39	1 l
8:55	9.6		98.2		5.5	5.9	1.673	8:51	8:53	1 l
9:10	9.7		98.2		19.3	4.7	1.806	9:08	9:10	1 l
9:25	9.7		98.2		25	4.6	1.794	9:23	9:25	1 l

EVERY 15 MIN - FILL YSI CUP and take reading

GRAVITY
MARINE SERVICES

orbislogic

Project ID: HGL-SIB DT2002.03.03.03.01

Sampling Personnel: Emma Santana
Larry LeSeur

Gravity PR2900 - Water Sample Log

Transect #: AAM169 Recorded by: Emma Santana Date: 5/5/22

Location ID	Start Time	End Time	RPM	Flow Rate (mL/min)	Volume Sampled (L)	Pressure (15-20 psi)	Filter Change #	Filter ID #s	Comments
AAM169	11:12		–	1500	0	–	–	1	
	11:30		–	"	22	14	✓	1, 2	end Filter 1 at 11:31
	11:45		–	"	45	2	✓	2, 3	end Filter 2 at 11:50
	12:00		–	"	68	2	✓	3, 4	end filter 3 at 12:04 Filter 4: 12:04 to 12:11
	12:15		–	"	90	2	✓	5, 6	Filter 5: 12:11 - 12:18 Filter 6: 12:21 - 12:29
	12:30		–	"	111	1	✓	7, 8	Filter 7: 12:29 - 12:35 Filter 8: 12:35 - 12:45
	12:45		–	"	125	0	✓	9, 10	Filter 9: 12:45 - 12:50 Filter 10: 12:53 - 13:00
	13:00		–	"	144	0	✓	11, 12	Filter 11: 13:00 - 13:06 Filter 12: 13:10
	13:15		–	"	164	14	✓	12, 13, 14	Filter 12: 13:10 - 13:16 Filter 14: Filter 13: 13:16 - 13:23 13:26
	13:30		–	"	177	2	✓	14, 15, 16	Filter 14: 13:26 - 13:32 Filter 16 Filter 15: 13:32 - 13:38 1342 -
	13:45		–	"	196	3	✓	16, 17	Filter 16: 1342 - 13:50 Filter 17: 1350 - 13:57
	14:00		–	"	215	0	✓	18, 19	Filter 18: 1401 - 1409 Filter 19: 1409 - 1420
	14:15		–	"	240	5	✓	19, 20	Filter 19: 1409 - 142 C Filter 20: 1424 -
	14:30		–	"	258	3	✓	20	Filter 20: 1424 - 1438

14:38 - FINISH

- 1050 Prime tubing, Fill intermediary carboy
- 1112 Start pumping through filter #1

→ all filters were replaced at 15 PSI

GRAVITY
MARINE SERVICES

orbislogic

Project ID: DT2002.03.03.03.01

Sampling Personnel: Emma Santana
Larry LeSeur

Storm Water Sampling - Water Quality Parameter and Sample Collection Log
SIB PDI

Manole #: AAM 1Le9 Recorded by: Emma Santana Date: 5/5/22

Intake Tubing Depth: 22 Ft

→ velocity (ft/s) / Level (ft)

Water Quality Parameter Readings (specific)								Carboy Sample Volume			
Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow ~~(cfs)~~	Start Time	End Time	Sample Volume Added	Total (L)
11:14	12.15	6.44	9.48	-9.2	163.6	12.44	1.127/0.563	11:12	11:15	1L	1
11:29	12.51	6.57	8.76	-14.9	169.1	11.52	1.055/0.546	11:27	11:28	1L	2
11:43	12.61	6.59	9.13	-15.7	166.9	11.36	1.042/0.535	11:42	11:44	1L	3
11:58	12.58	6.58	9.04	-15.5	154.2	12.62	1.236/0.665	11:57	12:00	1L	4
12:12	12.76	6.63	9.62	-17.8	127.5	17.21	1.782/1.027	12:11	12:14	1L	5
12:27	13.29	6.65	9.89	-19.0	75.5	26.98	2.218/1.262	12:27	12:29	1L	6
12:45	13.25	6.66	10.14	-19.8	49.9	36.40	1.939/1.116	12:43	12:48	1L	7
1300	13.08	6.61	10.25	-17.2	43.8	24.47	2.230/1.284	13:00	13:03	1L	8
13:15	13.49	6.55	10.20	-13.7	36.1	29.27	2.242/1.352	1313	13:15	1L	9
1330	13.46	6.56	10.19	-14.0	34.8	28.55	2.206/1.326	1328	13:32	1L	10
13:45	13.50	6.50	10.19	-11.1	33.8	24.66	2.133/1.192	1342	13:47	1L	11
1400	13.26	6.51	10.25	-11.8	33.5	22.97	1.879/0.952	1402	14:05	1L	12
1415	13.47	6.45	10.10	-9.1	49.6	12.35	1.515/0.740	1417	14:20	1L	13
1430	13.67	6.53	9.80	-12.8	61.0	10.30	1.115/0.568	1432	1436	1L	14

TSS	Time
#1	12:15
#2	13:15
#3	14:15

GRAVITY
MARINE SERVICES

orbislogic

Project ID: DT2002.03.03.03.01

Sampling Personnel: E SLOAN
R TRUDEAU

Storm Water Sampling - Water Quality Parameter and Sample Collection Log
SIB PDI

Manole #: _____ Recorded by: HV-03 Date: 5/5/2022

Intake Tubing Depth: _____

Water Quality Parameter Readings								Carboy Sample Volume		
Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow ~~(cfs)~~ L/s	Start Time	End Time	Sample Volume Added
13:50	13.03	—	96.8		13.5	30.5	6.048	13:46	13:48	1 l
14:05	13.107		96.8		12.9	43.57	5.564	1400	1402	1 l
1420	13.018		95.9		13.1	60.57	~~4.545~~	1416	1418	1 l
1435	13.264		96.4		14.3	88.43	3.976	1432	1435	1 l
1450	13.395		96.1		15.1	97.7	0.655	1446	1448	1 l
1505	13.557		95.7		15.5	88.93	0.642	1501	1503	1 l
1520	13.656		94.7		15.3	65.33	0.788	1515	1518	1 l
1535	13.986		97.3		15.4	57.91	0.909	1530	1533	1 l
1550	13.816		97.0		16.1	43.66	0.810	1545	1548	1 l
			1550 @		- PAUSED TO FILL CARBOY -					
~~1625~~ 1640	14.120		95.9		19.2	43.64	.992	1635	1638	1 l
1655	14.253		96.1		22.3	46.85	4.395	1650	1653	1 l

GRAVITY
MARINE SERVICES

orbislogic

Project ID: HGL-SIB DT2002.03.03.03.01

Sampling Personnel: ESLOAN
R. TRUDEAU

Gravity PR2900 - Water Sample Log

Transect #: _____ Recorded by: HV-03 Date: 5/5/2022

Location ID	Start Time	End Time	RPM	Flow Rate (mL/min)	Volume Sampled (L)	Pressure (15-20 psi)	Filter Change #	Filter ID #s	Comments
	1335	1350		1.5 l/min	~~22.5~~ 15	1 @ 1350	@1339 @1344	1, 2 & 3	
	1350	1405		"	~~17~~	2 @1405	@1353 @1357	4, 5	
	1405	1420		"	~~17~~	2 @1420	@1407 @1419	6, 7	
	1420	1435		"	~~22.5~~	4 @1435	@1424 @1433	8, 9	
	1435	1450		"	15.5	~~4~~ @1450	@1445	10,	
	1450	1505		"	22.5	3 @1505	@1456	11,	109.5
	1505	1520		"	22.5	2 @1520	@1513	12	
	1520	1535		"	22.5	14 @1535	@1535	13	
	1535	1550		"	22.5	3 @1550	@1547	14	
1550	PAUSED TO FILL CARBOY -						@1632	15	
	1625	1640			22.5	3 @1640	@1635	16	
	1640	1655			22.5	@1655	@1646	17	2229

GRAVITY
MARINE SERVICES

orbislogic

Project ID: HGL-SIB DT2002.03.03.03.01

Sampling Personnel: Emma Santana
Larry LeSueur

Gravity PR2900 - Water Sample Log

Transect #: AAQ005 Recorded by: Emma Santana Date: 5/5/22

Location ID	Start Time	End Time	RPM	Flow Rate (mL/min)	Volume Sampled (L)	Pressure (15-20 psi)	Filter Change #	Filter ID #s	Comments
AAQ005	0611	–		1500	0	0	–	1	Start
	0634	–		1500	~~35~~ 5.5	3	✓	~~4~~ 3	
	0648	–		1 "	60	7	✓	5	
	0701	–		"	70	0	✓	~~5~~ 6	
	0714	–		"	90	0	✓	7	
	0730	–		"	105	0	✓	8	
	0746	–		"	130	0	✓	9	
	0756	–		"	145	0	✓	10	
	0815	–		"	165	0	✓	11	
	0828	–		"	181	0	✓	12	
	0845	–		"	200	0	✓	13	

#1

GRAVITY
MARINE SERVICES

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Project ID: DT2002.03.03.03.01

Sampling Personnel: Emma Santana
Larry LeSuer

Storm Water Sampling - Water Quality Parameter and Sample Collection Log
SIB PDI

Manole #: AAQ005 Recorded by: Emma Santana Date: 5/5/22

Intake Tubing Depth: 24 ft

↗ 0.578 ft

Water Quality Parameter Readings								Carboy Sample Volume		
Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow (cfs)	Start Time	End Time	Sample Volume Added
0615	11.819	12.4	10.61	-604.8	69.3	37.33	3.152 ft/s	0610	0612	1L
0630	11.051	12.42	10.87	-604.8	50.3	~~#~~ 51.72	2.703/0.858	0625	0627	1L
~~0646~~	~~11.864~~	~~12.84~~	~~10.82~~				2.242	0642		~~1L~~
						↳				
						Finished on other sheet				

* every 15min

* TSS every hour

0605 Start manhole pump
- Level: 0.414 ft
- velocity: 2.012 ft/s

0610 ~~carboy~~ intermediate carboy ½ way filled. Start filter pump.

0643 switch x515

GRAVITY
MARINE SERVICES

orbislogic

#2

Project ID: DT2002.03.03.03.01

Sampling Personnel: Emma Santana
Larry LeSeur

Storm Water Sampling - Water Quality Parameter and Sample Collection Log
SIB PDI

Manole #: AAQ005 Recorded by: Emma Santana Date: 5/5/22

Intake Tubing Depth: 24ft

velocity (ft/s)
Level (ft)

Water Quality Parameter Readings (specific)								Carboy Sample Volume			
Time	Temp. (°C)	pH (SU)	DO (mg/L)	ORP (mV)	Conductivity (µS/cm)	Turbidity (NTU)	Flow ~~(cfs)~~	Start Time	End Time	Sample Volume Added	Total
0646	11.84	6.70	10.70	-22.6	65.6	17.00	2.242/0.503	0642	0645	1L	3L
0707	11.06	6.65	11.06	-19.8	55.3	18.04	3.273/0.610	0658	0701	1L	4L
0724	10.84	6.69	11.00	-21.5	44.1	16.79	3.248/0.[illegible]	0718	0723	1L	5L
0735	10.76	6.65	11.06	-19.6	29.5	14.99	5.770/0.723	0735	0738	1L	6L
0755	10.54	6.75	11.13	-24.0	33.1	23.87	6.364/0.728	0750	0754	1L	7L
0813	10.50	6.67	11.19	-20.4	29.0	14.76	6.182/0.763	0808	0811	1L	8L
0828	10.62	6.64	11.13	-19.2	19.5	11.03	5.088/0.676	0823	0826	1L	9L
0840	10.63	6.63	11.18	-18.3	18.0	11.47	4.905/0.601	0839	0844	1L	10L
~~0845~~ 0856	10.45	6.57	11.23	-15.5	24.5	11.63	3.648/0.644	0855	0857	1L	11L
0913	10.48	6.55	11.17	-14.4	23.6	11.42	5.127/0.674	0912	0915	1L	12L
0938	10.55	6.55	11.12	-14.6	23.1	11.06	4.412/.683	0927	0938	1L	13L

05/05/22 HGL-SIB-STORMWATER J. Moore

0230: LOAD VEHICLES FOR HUS SAMPLING.

* ORBISCOGIC - J. MOORE
CRAWLEY - R. TRUSCOTT
S. HINZ
E. SLOAN
E. SANTANA
~~C. [illegible]~~
L. BESUDEN

* TIG - KATH MARTIN (DERA)
(EPA) CSM - PAT HARTMAN.

0300: CONDUCT TAILGATE SAFETY MEETING. PREPARE TO SET UP ON AAQ005 & AAM131 HUS SAMPLING.

0330: MOB TO AAQ005 FOR SETUP

0430: AAQ005 READY, MOB TO AAM131 TO SETUP.

0500: ONSITE AT VICAR AAM131

05/05/22 HGL-SIB-STORMWATER J. Moore

BEGIN HUS SETUP

0540: SETUP COMPLETE - ON STANDBY FOR FLOW.

0600: RAIN BEGINS, FLOW BEGIN TO RISE IN BOTH AAQ005 AND AAM131 - PUMPS ON

* SEE HUS FORMS FOR PUMP ON DETAILS.

0700 ORBISCOGIC + TIG MOB TO DYNA WR-420 ISCO TO COLLECT SAMPLES.

0740: MOB TO ISCO POP-WR-30

0745: AT POP WR-30 - NO FLOW, AND LOOKS UNLIKELY THAT ENOUGH SURFACE FLOW WILL EVER FILL THE CATCH BASIN DUE TO UNEVEN PARKING LOT BUT WILL CHECK BACK ON WR-30 LATER IN THE STORM

5/5/22 HGL-SIB-STORMWATER J. Moore

MOB TO ATC WR-71

0755 ON LOCATION AT ATC WR-71, RETRIEVE SAMPLE

0810 : SAMPLE ATC WR-71 COLLECTED MOB TO US ECOLOGY TO GET ON VESSEL.

0840 : COLLECT USCG WR-198 MANUALLY - USING BOTTLE AT OUTFALL TERMINUS AS ISCO SEEMS TO MALFUNCTION

0845 MOB TO WR-186 TO COLLECT ISCO - CALLED FLAGGERS TO LET THEM KNOW OF DELAY TO 0845 hrs WRONG. - REPORT FROM AA2005 & AAM131 THAT THEY ARE AT ~200L PUMP VOLUME.

0855: ARRIVE AT WR-186

0910: COLLECT WR-186

5/2/22 HGL-SIB-STORMWATER J. Moore

0915 MOB TO WR-15

0925: COLLECT SAMPLE FROM WR-15. MOB TO US ECOLOGY TO MOB TO MEET FLAGGERS AT SWAN ISLAND TO PREP FOR SECOND PHASE OF HVS SAMPLES.

0945 MEET FLAGGERS AT SWAN ISLAND - AA2005 COMPLETE SO MOVE TEAM TO AAM169 & ABSLOGIC COLLECTS SAMPLES FROM TEAM.

1020: ON LOCATION AT AAM169 - BEGIN SETUP. FLAGGERS ON WATCH FOR TRUCKS ETC.

1050: AAM169 SETUP - FLOW IS HIGH - BEGIN PUMP SAMPLING.

* NOTE: ~~7~~ (5) FLAGGERS DO NOT HAVE ENOUGH EQUIPMENT FOR

5/5/22 HGL-SIB-STORMWATER J. Moore

MULTIPLE SETUPS SO HAS TO GET MORE SUPPLIES.

1115: FLAGGERS BEGIN SETUP AT AAP957

*NOTE SECOND LIMB OF RAIN NOW PUSHING INTO THE REGION.

*NOTE FLAGGER BOOSES WRONG SECTION OF ROAD - RESET LOCATION.

1150: FLAGGING NOW SETUP AT AAP957. BEGIN SETUP.

1300: FLAGGER SET UP AAM107, BEGIN HUD SETUP.

*NOTE PUMP FAILURE AT AAP957 SO SWITCH OUT.

1330: AAM107 PUMPING. AAP957 PUMPING.

1410: ORBISCIENCE CHECKS WR-30

5/5/22 HGL-SIB-STORMWATER J. Moore

ISCO SAMPLER AGAIN, STILL NO FLOW INTO CATCH BASIN SO NO SAMPLE AT WR-30

1500: AAM169 COMPLETE - SAMPLES COLLECTED BY ORBISCIENCE AND HUD CREW DEMOB.

*NOTE, RAIN AMOUNT DROPPING OFF, FLOW UNDERSIZED

1610: AAM107 - END PUMPING, STORM FLOW ENDED, ONLY BASEFLOW OR WATER FLOW IN CONVEYANCE. APPROX 200 L PUMPED. - DEMOB - TCP REMOVED

1700 AAP957 - END PUMPING, STORM FLOW ENDED. APPROX 200 L PUMPED. - DEMOB. TCP REMOVED

1745: ALL PERSONEL OFFSITE.

1800: ORBISCIENCE OFFSITE.

JM

orbislogic HGL

SGS Wilmington, NC

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 of 1

COC Number: 20220505-SIB-HVS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT: 21 calendar days from receipt at SGS	Project Manager: AMY BOEHM (SGS)
Overland Park, KS 66202	Invoice To: Jeff Gadt		Project #: DT2002.03.03.03.01
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: HVS
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: DT2002.03.03.03.01	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: PCBs (Congeners) (1668)	Dioxins/Furans (1613B)	Organochlorine Pesticides (1699M)	BEHP (8270D-LL)	Diesel (NWTPHDx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	TOC (9060)	Moisture Content (D2216)	Total Solids (SM 2540G)				Filtered (Y/N)	REMARKS / Lab ID
														Y	Y	Y												
1	SIB-SE-AAM131-FRONT-050522	SWST	C	5/5/2022	0925	1	X							X	X	X												Solids & Pre-Filters
4	SIB-SE-AAQ005-FRONT-050522	SWST	C	5/5/2022	0845	2	X							X	X	X												Solids & Pre-Filters
5	SIB-SE-AAM169-FRONT-050522	SWST	C	5/5/2022	1438	2	X							X	X	X												Solids & Pre-Filters
6	SIB-SE-AAM107-FRONT-050522	SWST	C	5/5/2022	1518	1	X							X	X	X												Solids & Pre-Filters
7	SIB-SE-AAP957-FRONT-050522	SWST	C	5/5/2022	1640	2	X							X	X	X												Solids & Pre-Filters
8	SIB-SW-AAM131-BACK-050522	SWST	C	5/5/2022	0925	1	X							X	X	X												PUF
9	SIB-SW-AAQ005-BACK-050522	SWST	C	5/5/2022	0845	1	X							X	X	X												PUF
10	SIB-SW-AAM169-BACK-050522	SWST	C	5/5/2022	1438	1	X							X	X	X												PUF
11	SIB-SW-AAM107-BACK-050522	SWST	C	5/5/2022	1518	1	X							X	X	X												PUF
12	SIB-SW-AAP957-BACK-050522	SWST	C	5/5/2022	1640	1	X							X	X	X												PUF

SHIPMENT METHOD	AIRBILL NO	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

CALL HGL FOR INSTRUCTIONS

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 5/5/22

Type & Quantity of Sampling Modules

Qty. GRAVTY Traps: 6

Filter Size: n/a
Qty. Filter: n/a
Filter Batch #: n/a
Qty. Petri Dishes: n/a
of BCS3 & MB: 0

Client Specific Instructions

2 PUFs/Gravity cylinder

Other Requirements

Spike Profile

Vol. PCDD/F : 40µL

Solution ID: D/F CS/SS Amount: 1.6-4 ng
Vial ID: 25-403-1 Expiration: 7/15-23

Vol.HR_PCB: 40 µL (4ng)

Solution ID: PCB CS/SS Amount: 0.1 ng/µL
Vial ID: 25-297-1 Expiration: 8/30-22

SGS

Sampling Module Request Form

Trap Order #: T4042

Following sample recovery, please return this form with the field samples to:
5500 Business Dr.
Wilmington, NC 28405
Ph.:910-794-1613
Fax.: 910-794-3919

Please be aware of your trap batch #
QC begins when we prep your traps.
The Method Blanks and BCS_3 are prepared simultaneously with the trap and are properly stored until the trap batch returns for analysis.

We recommend keeping trap batches together and if a set of traps is to be split into multiple projects, please let us know so we can prepare extra Method Blanks/BCS_3

Spike By: JB 4/28/22
Witness: PSW 4/28/22

Client Information

Company: HydroGeoLogic, Inc.
Contact: Ken Rapuano
Email: krapuano@hgl.com
Phone: (703) 736-4546
Project Name: Portland Hi-Vol water
PO#:
Order Date: 25-Apr-22
Arrival Date: 29-Apr-22

Ship To: Gravity Marine
Shawn Hinz
32617 SE 44th St
Fall City WA, 98024
USA
shawn@gravitymarine.com
425-281-1471

All PROJECTS ARE SHIPPED PRIORITY OVERNIGHT VIA FEDEX

Analyses

PCDD/F, PCB, Pesticides

Additional Information

AP Rental Traps Qty.: 0
Air Bill #:
Containers:
Ship Date:

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: http://www.sgs.com/terms_and_conditions.htm

Trap Batch 140462

Initial Date below for each trap

25.463-1

Solution ID: D/F CS/SS	
Spike Volume:	40 µL
TRAP ID	PCDD/F
BCS3	
MB000	
001	
002	
003	
004	
005	
006	

Solution ID:	
Spike Volume:	40 µL
TRAP ID	PEST
BCS3	
MB000	
001	
002	
003	
004	
005	
006	

4/12.22

25.297-1

Solution ID: PCB CS/SS	
Spike Volume:	40 µL
TRAP ID	PCB
BCS3	
MB000	
001	
002	
003	
004	
005	
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Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Daniel Gaston — EMPLOYEE NAME — 4-5-22 — DATE S M T W TH F S

HGL — COMPANY NAME — 5th N Basin — LOCATION — JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
7:45			4pm		1

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES _____ PWR or PRIVATE (circle one)

Employee Daily Safety Report

❑ No Injuries/ Accidents to report

❑ Near Miss

Gender : __M __F DOB:_____

Phone Number:_____

Comments:_____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

FOREMAN'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

Daniel Gaston

EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Kate Satran — EMPLOYEE NAME — 5-5-22 — DATE S M T W TH F S

HGL — COMPANY NAME — N Basin — LOCATION — JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
8:45			4:30	8	1h5

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES _____ PWR or PRIVATE (circle one)

Employee Daily Safety Report

❑ No Injuries/ Accidents to report

❑ Near Miss

Gender : __M __F DOB: 4-21-89

Phone Number: 503-816-3497

Comments:_____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

FOREMAN'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

Kate Satran

EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Iveston Towns — EMPLOYEE NAME

5/5/2022 — DATE S M T W TH F S

HGL — COMPANY NAME

5311 N Basin Ave — LOCATION

JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
8:30 am			4:30 pm	8	0

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES 30 PWR or PRIVATE (circle one)

Employee Daily Safety Report

☑ No Injuries/ Accidents to report

☐ Near Miss

Gender : ✓M __F DOB: 2/01/96

Phone Number: 971 [illegible] 1019

Comments: _____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

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EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Veronica Rivera — EMPLOYEE NAME

5/5/2022 — DATE S M T W TH F S

HGL — COMPANY NAME

5311 N Basin Ave — LOCATION

JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
8:30 am			4:30 pm	8	0

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES 30 PWR or PRIVATE (circle one)

Employee Daily Safety Report

☑ No Injuries/ Accidents to report

☐ Near Miss

Gender : __M ✓F DOB: 11/23/93

Phone Number: 971-204-8485

Comments: _____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

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EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Stefanie Sprone — EMPLOYEE NAME — 5.5.22 — DATE S M T W TH F S

HGL — COMPANY NAME — 5371 N Vasin Ave — LOCATION — JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
8:45				8	45min

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES _____ PWR or PRIVATE (circle one)

Employee Daily Safety Report

❑ No Injuries/ Accidents to report

❑ Near Miss

Gender : __M __F DOB: 10/21/88

Phone Number: 971-288-4349

Comments: _____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

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EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

Daily Time Sheet

ALL ABOUT FLAGGING

O: 503-774-5212 // D503-319-3849

Victor Francisco — EMPLOYEE NAME — 5/5/22 — DATE S M T W TH F S

HGL — COMPANY NAME — 5371 N Vasin Ave — LOCATION — JOB#

Start Time	Lunch Start	Lunch End	End Time	Straight Hours	Overtime Hours
8:30			4:30pm	8	1

BREAKER ☐

REVIEW OF TRAFFIC CONTROL EQUIPMENT AND MILEAGE

STANDARD SET UP _____ SPECIALTY SIGNS _____

CONES 30 PWR or PRIVATE (circle one)

Employee Daily Safety Report

❑ No Injuries/ Accidents to report

❑ Near Miss

Gender : __M __F DOB: _____

Phone Number: _____

Comments: _____

All Daily Safety Reports need to be turned in with time sheets every Friday by end of business , If any accidents or injuries happen on the job contact Reynelda Hayes immediately at 503.774.5212 or 503.319.3849 , If that isn't possible make sure you report your incident in under 24 hours to our office at 8383 Ne Sandy Blvd. Portland, Oregon 97220 suite #325 . Safety is Our #1 priority for our employees and Our Community ,Thank you .

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EMPLOYEE'S SIGNATURE (YOUR SIGNATURE VERIFIES THAT THE INFORMATION ON THIS FORM IS COMPLETE AND ACCURATE.)

If you want a paycheck Friday, you must have your timecard to the office no later then Monday 10:00am

1st Copy Employer **2nd Copy Employee** **3rd Copy Contractor**

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [x] Health and Safety Plan Addendum: HOUSELESS AHA. PROPERTY ACCESS AHA.
- [ ] Other: ___

Date/Time: MAY 5TH 0300 hrs Client: STNA / VIGOR

Location: SWAN ISLAND BASIN, PORTLAND HARBOR Job No.: STN02-03.03.03-01

Meeting/training conducted by: JOSS MUNRO

Work Activities: HUS & ISCO SAMPLING AT ALL STORMWATER LOCATIONS.

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCI - LOW LEVEL STORMWATER

Physical Hazards: TRAFFIC SAFETY

Specific Safety Topic(s): FATIGUE, COMMUNICATION

Specific Training Covered: HUS SOP'S - CLEAR HANDS SAMPLING

Attendees

Name Printed and Employee Number:	Signature:
SLAN PIKE	
LARRY LESUEUR	
ED SLOAN	
Emma Santana	Emma Santana
Renee Tindell	
Pamela Hartman	
Kady Martin - TIG	
Carl Christopher	

DAILY FIELD REPORT

DATE: 8/27/2022
PLANNED ACTIVITY PERIOD: 8/27/2022 to 8/28/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:							Partly Cloudy
Temperature:							76°F
Wind:							SW 6mph
Humidity:							68%

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Harry Moore (Orbislogic), Andy Worley, Antonio Velasquez, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team), Madison Gates (CDM Smith, EPA oversight), Justin Gazey, Max McNeil (D&H Flagging).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, TCP lane closure equipment field vehicles, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Tailgate safety and daily operations meeting, install TCP lane closures
2) AAP957 (COP); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW and SE laterals.
3) AAM169 (COP); CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW, E & SE laterals.
4) AAM104 (COP), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW, NE & SE laterals.
5) Remove TCP lane closure equipment, process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
6) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – Combative Property Personnel, CSE activities

Problems Encountered/Corrective Action Taken: The Stingray flow sensor at AAM169-E malfunctioned so a new flow sensor (SN#71114) unit was installed.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)

DAILY QUALITY CONTROL REPORT

☒ No unusual events (if yes, describe above in *Special Notes*)

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Continue flow data downloads, in-line sediment trap sample bottle collection and replenishment and equipment maintenance using CSE procedures at remaining stormwater conveyance locations

Signature: 

Title: Upland Stormwater Evaluation Task Manager

8/27/22 SIB STORMWATER J. Moore

0745: ORBIS ECOLOGY ONSITE AT SUAN ISLAND BOAT RAMP TO MEET D+H FLAGGING AND EPA OVERSIGHT

* ORBIS ECOLOGY - Jose Moore
Harry Moore

* CSM SMITH - MADISON GATES.

0800: CONDUCT TAILGATE SAFETY MEETING.

0850 D+H FLAGGING BEGIN SETUP AT AAP957.

0855 CONDUCT TAILGATE SAFETY MEETING WITH WS ECOLOGY CSE TEAM. AND EPA OVERSIGHT.

0910: MOB TO AAP957.

0930: CSE AT AAP957 BEGINS. SOURCES DATA AND CHANGE IN-LINE SOLIDS BOTTLES AT AAP957-SE AND AAP957-NW

8/27/22 SIB STORMWATER J. Moore

1000: BOTTLES FROM AAP957-SE HAVE <3mm OF SEDIMENT AND ½ FULL OF WATER.

1015: BOTTLES FROM AAP957-NW HAVE <1mm OF SEDIMENT AND ARE FULL OF WATER.

1030: CSE COMPLETE AT AAP957 US ECOLOGY AND ORDERING + CSM SMITH OFF LOCATION D+H BEGIN BREAKDOWN.

1130: D+H SETUP TCP AT AAM169.

1140: ON LOCATION AT AAM169 BEGIN CSE. NOTE: STRONG SHEEN IN FLOWING WATER IN VAULT, SEEMS TO BE FROM NW LATERAL.

* CHANGE IN-LINE TRAP BOTTLES AND DOWNLOAD

8/27/22 SIB STORMWATER J. Moore

FLOW DATA AT AAM169-SE, AAM169-NW & AAM169-E.

1150: BOTTLES FROM AAM169-SE HAVE <4mm SEDIMENT AND FULL OF WATER.

1200: BOTTLES FROM AAM169-E HAVE <5mm of SEDIMENT AND full of WATER.

*NOTE - FLOW SENSOR SWITCHED OUT AT AAM169-E. NEW SN #7114. DATA FROM OLD UNIT LOOKS BAD.

1215: BOTTLES FROM AAM169-NW HAVE <10mm of SEDIMENT AND FULL of WATER.

*NOTE - FLOW SENSOR AT AAM169-NW WAS DAMP INSIDE CASING POWER VOLTAGE - CHANGED LID GASKET AND UNIT IS RESPONDING WELL

8/27/22 SIB STORMWATER J. Mollé

1250: CSÉ COMPLETE, WS ECOLOGY off LOCATION.

1310: ORBISLOGIC INSTALLS FLOW SENSOR UNITS. off LOCATION WITH COM SMITH.

1315: COM SMITH ARRIVE. D+H PLACING BEGIN BREAKDOWN of AAM169.

1400: AAM104 READY, ENTER LOCATION AND BEGIN CSÉ.

* CHANGE IN-LINE SEDIMENT BOTTLES AND DOWNCAST

+ DATA. NOTÉ THAT AAM104 -NÉ ONLY LOGGED ON JULY 20, NO OTHER DATA. TROUBLESHOOT and FIX UNIT

1425: AAM104-SÉ BOTTLES HAVE <2mm of SEDIMENT AND FULL of WATER.

8/27/22 SIB STORMWATER J. Mollé

1435 AAM104-NÉ BOTTLES HAVE <3mm of SEDIMENT AND FULL of WATER.

1445 AAM104-NW BOTTLES HAVE <4mm of SEDIMENT AND full of WATER.

1500: CSÉ COMPLETE. WS ECOLOGY off LOCATION.

1545 FLOW SENSORS INSTALLED, ORBISLOGIC left LOCATION.

1600: D+H BEGIN BREAKDOWN of AAM104 TCR.

1645 WS ECOLOGY DEMOB CSÉ off from FACILITY.

1815 ORBISLOGIC PROCESSES SAMPLES STORED IN PROCESSOR ARE READY. DOWNLOAD SFL.

JM

SIB Stormwater Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
20220827_101043	JM	In-line sed trap samples AAP957-SE	SE	8/27/2022	1000	45.56060	-122.70817
IMG_5389	JM	Sample bottles prior to removal AAP957-SE	SE	8/27/2022	930	45.56060	-122.70817
IMG_5841	JM	New sample bottles installed AAP957-SE	SE	8/27/2022	945	45.56060	-122.70817
20220827_102039	JM	In-line sed trap samples AAP957-NW	NW	8/27/2022	1015	45.56060	-122.70817
IMG_5842	JM	Sample bottles prior to removal AAP957-NW	NW	8/27/2022	1000	45.56060	-122.70817
IMG_5843	JM	Flow sensor AAP957-NW	NW	8/28/2022	1020	45.56060	-122.70817
IMG_5844	JM	New sample bottles installed AAP957-NW	NW	8/27/2022	1030	45.56060	-122.70817
20220827_115902	JM	In-line sed trap samples AAM169-SE	SE	8/27/2022	1150	45.56638	-122.70969
IMG_5849	JM	Flow sensor AAM169-SE	SE	8/27/2022	1135	45.56638	-122.70969
20220827_125112	JM	In-line sed trap samples AAM169-NW	NW	8/27/2022	1225	45.56638	-122.70969
IMG955855	JM	Sample bottles prior to removal AAM169-NW	NW	8/27/2022	1215	45.56638	-122.70969
IMG955857	JM	New sample bottles installed AAM169-NW	NW	8/27/2022	1245	45.56638	-122.70969
20220827_122257	JM	In-line sed trap samples AAM169-E	E	8/27/2022	1200	45.56638	-122.70969
IMG955853	JM	Sample bottles prior to removal AAM169-E	E	8/27/2022	1145	45.56638	-122.70969
IMG955854	JM	New sample bottles installed AAM169-E	E	8/27/2022	1230	45.56638	-122.70969
IMG955852	JM	Flow sensor AAM169-E	E	8/27/2022	1210	45.56638	-122.70969
20220827_142629	JM	In-line sed trap samples AAM104-SE	SE	8/27/2022	1425	45.56949	-122.71410
IMG_5858	JM	Sample bottles prior to removal AAM104-SE	SE	8/27/2022	1405	45.56949	-122.71410
IMG_5860	JM	New sample bottles installed AAM104-SE	SE	8/27/2022	1430	45.56949	-122.71410
IMG_5859	JM	Flow sensor AAM104-SE	SE	8/27/2022	1415	45.56949	-122.71410
20220827_144638	JM	In-line sed trap samples AAM104-NW	NW	8/27/2022	1445	45.56949	-122.71410
IMG_5865	JM	Sample bottles prior to removal AAM104-NW	NW	8/27/2022	1440	45.56949	-122.71410
IMG_5868	JM	New sample bottles installed AAM104-NW	NW	8/27/2022	1455	45.56949	-122.71410
IMG_5866	JM	Flow sensor AAM104-NW	NW	8/27/2022	1440	45.56949	-122.71410
20220827_143702	JM	In-line sed trap samples AAM104-NE	NE	8/27/2022	1435	45.56949	-122.71410
IMG_5861	JM	Sample bottles prior to removal AAM104-NE	NE	8/27/2022	1420	45.56949	-122.71410
IMG_5864	JM	New sample bottles installed AAM104-NE	NE	8/27/2022	1450	45.56949	-122.71410
IMG_5862	JM	Flow sensor AAM104-NE	NE	8/27/2022	1420	45.56949	-122.71410

DAILY QUALITY CONTROL REPORT



In-line sediment trap sample AAP957-SE



Sample bottles prior to removal AAP957-SE



New sample bottles installed AAP957-SE



In-line sediment trap sample AAP957-NW

DAILY QUALITY CONTROL REPORT



Sample bottles prior to removal AAP957-NW



Flow sensor AAP957-NW



New sample bottles installed AAP957-NW



In-line sediment trap sample AAM169-SE

DAILY QUALITY CONTROL REPORT



Flow sensor AAM169-SE



In-line sediment trap sample AAM169-NW



Sample bottles prior to removal AAM169-NW



New sample bottles installed AAM169-NW

DAILY QUALITY CONTROL REPORT



In-line sediment trap sample AAM169-E



Sample bottles prior to removal AAM169-E



New sample bottles installed AAM169-E



Flow sensor AAM169-E

DAILY QUALITY CONTROL REPORT



In-line sediment trap sample AAM104-SE



Sample bottles prior to removal AAM104-SE



New sample bottles installed AAM104-SE



Flow sensor AAM104-SE

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [ ] Health and Safety Plan Addendum: _____
- [ ] Other: ___

Date/Time: 8/27/22 0800 Client: DTNA / Vigor

Location: Swan Island Basin - Portland Harbor Superfund Site Job No.: DT2002

Meeting/training conducted by: Josh Moore 8/27/22

Work Activities: Confined Space Entry (CSE) in-line sonar sampling flow data download

Safety / Training Topics Presented

Chemical Hazards: Project COCs - low level stormwater

Physical Hazards: CSE, Busy traffic

Specific Safety Topic(s): Communication, Buddy system

Specific Training Covered: CSE, Homeless awareness.

Attendees

Name Printed and Employee Number:	Signature:
Josh Moore	
Maddie Gates	
Max Meyer	
Justin Gazey	
Stephanie Cessna	
Perry L Clayton	
Andy Dudley	
Antonio Valdemic E	

DAILY QUALITY CONTROL REPORT



In-line sediment trap sample AAM104-NW



Sample bottles prior to removal AAM104-NW



New sample bottles installed AAM104-NW



Flow sensor AAM104-NW

DAILY QUALITY CONTROL REPORT



In-line sediment trap sample AAM104-NE



Sample bottles prior to removal AAM104-NE



New sample bottles installed AAM104-NW



Flow sensor AAM104-NE

DAILY FIELD REPORT

DATE: 8/28/2022
PLANNED ACTIVITY PERIOD: 8/27/2022 to 8/28/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:	Clear						
Temperature:	79°F						
Wind:	SW 6mph						
Humidity:	71%						

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Harry Moore (Orbislogic), Andy Worley, Antonio Velasquez, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, field vehicles, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Tailgate safety and daily operations meeting.
2) AAM131 (VIGOR); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW and SE laterals.
3) AND479 (DTNA); CSE. Collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks.
4) AAQ005 (DTNA), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks.
5) Process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
6) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – Combative Property Personnel, CSE activities

Problems Encountered/Corrective Action Taken: None.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)
☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

DAILY QUALITY CONTROL REPORT

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)
Planned Activities for the Next Day: • None.
Signature:  **Title**: Upland Stormwater Evaluation Task Manager

8/28/22 SIB STORMGATOR J. MOORE

0715: ARRIVE ONSITE AT US ECOLOGY. PREPARE FOR IN-LINE SED TRAP BOTTLE SAMPLING. AND FLOW DATA DOWNLOAD USING CONFINED SPACE ENTRY CREW.

* OKBIS LOCK - JOSH MOORE
HANK MOORE
US ECOLOGY - SANSANE CISSAY
ANTONIO VALADEZ
ANDY WORLEY
PERRY STANTON

0800: CONDUCT TAILGATE SAFETY MEETING.

0815: MOB TO VICOR FACILITY TO ACCESS AAMIBI.

0830: ON LOCATION AT AAMIBI. PREPARE FOR CSE TO CONDUCT IN-LINE FLOW

8/29/22 SIB STORMGATOR J. MOORE

BOTTLES AND INSTALL NEW BOTTLES - ALSO DOWNLOAD FLOW DATA FROM STORMGATES AT AAMIBI-SE AND AAMIBI-NW

0855 BOTTLES FROM AAMIBI-SE HAVE <1mm SEDIMENT AND FULL OF WATER.

0910 BOTTLES FROM AAMIBI-NW HAVE <1mm SEDIMENT AND FULL OF WATER.

0915 CSE COMPLETE. US ECOLOGY OUT OF AAMIBI.

0930 COMPLETE AT AAMIBI. RETURN VICOR AND MOB TO DFW AND479.

[illegible] ON LOCATION AT AND479.

[illegible] VAULT AND PREPARE FOR CSE TO CHANGE IN-LINE TRAP BOTTLES, AND FLOW METER.

8/28/22 SIB STORMWATER T. Mace.

CLOSE AAQ005. DEMOB TO UK ECOLOGY PROCESSING AREA TO PROCESS SAMPLES.

1135 AM ESE COMPLETE, SAMPLES SECURE IN REFERS. AM STAFF OFFSITE.

1200 BFB SCOUSE DEMOB AM EQUIPMENT AND DEVICES JFK



8/29/22 SIB STORMWATER J. Mace

0937: CSE START AT AND479

0947: BOTTLES FROM AND479 HAVE <1mm SEDIMENT AND FILL of WATER.

0955: CSE COMPLETE. UK ECOLOGY OUT of AND479.

AM SECURITY TO ACCESS DNA AREA FOR AAQ005

1000 - UK LOCATION AT AAQ005 DOWNLOAD FLUX DATA AND CHANGE OUT IN-LINE TEAA BOTTLES.

1010: AAQ005 BOTTLES HAVE <4mm SEDIMENT AND FULL of WATER

1030: CSE COMPLETE. UK ECOLOGY OUT of AAQ05

1050: ORBIS COMPUTER DATA DOWNLOAD

Stormwater Equipment O&M Photo Log

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
IMG_5877	JM	Sample bottles prior to removal AND479-E	E	8/27/2022	935	45.56198	-122.70264
IMG_5878	JM	New sample bottles installed AND479-E	E	8/27/2022	945	45.56198	-122.70264
IMG_5879	JM	Sample bottles prior to removal AND479-W	W	8/27/2022	950	45.56198	-122.70264

DAILY QUALITY CONTROL REPORT



Sample bottles prior to removal AND479



New sample bottles installed AND479



Sample bottles prior to removal AND479

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [ ] Health and Safety Plan Addendum: _____
- [ ] Other: ___

Date/Time: 3/28/22 0820 hrs

Client: DTNA / Vigor

Location: Swan Island Basin - Portland Harbor Superfund Site

Job No.: DT2002

Meeting/training conducted by: Josh Moore 3/28/22

Work Activities: CSE IN-LINE SED TRAP SAMPLING AND FLOW DATA DOWNLOAD

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs - STORMWATER

Physical Hazards: CSE ACTIVITIES, PUBLIC HIGHWAY TRAFFIC

Specific Safety Topic(s): COMMUNICATION, SLIPS TRIP FALLS, HYDRATION

Specific Training Covered: CSE TRAINING.

Attendees

Name Printed and Employee Number:	Signature:
Josh Moore	
Antonio Velazquez Escamilla	
Perry L Stayton	
[illegible]	
Andy Worley	

DAILY FIELD REPORT

DATE: 10/21/2022
PLANNED ACTIVITY PERIOD: 10/21/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:						Rain	
Temperature:						54°F	
Wind:						SW 7mph	
Humidity:						91%	

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Orbislogic, Task FM), Anna St. John (Task FM), Justin Pounds (BH2O), Rene Trudeau, Ed Sloan, Jeff Schut, Jake Langden, Chad Furulie (Gravity), Katy Martin (TIG oversight), Greg Johnson (US Ecology vessel capt), Emmy Wrobleski, Eduardo Munoz, Bhanu Priya Karuturi (Mott MacDonald), Max McNeil, Mark Scherer, Destony Hammond, Sondra Carpenter, Mitch Gadotti, Rodolfo Sanchez (D&H Flagging).

Regulatory Oversight: None.

Equipment On Site: Five HVS sampling setups, six ISCO auto samplers, US Ecology runner vessel, field vehicles, Traffic Control Plan (TCP) equipment, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System HVS & ISCO Sampling

1) **AAM131** (Vigor, no TCP) - pump 248 liters over 3 hours, collect one **HVS** PUF filter sample and 11 solid fraction pre-filters.
2) **AAQ005** (COP, no TCP) - pump 242 liters over 3 hours, collect one **HVS** PUF filter sample and 24 solid fraction pre-filters.
3) **AAM169** (COP, TCP) - pump 252 liters over 3 hours, collect one **HVS** PUF filter sample and 49 solid fraction pre-filters.
4) **AAP957** (COP, TCP) - pump 225 liters over 4 hours, collect one **HVS** PUF filter sample and 35 solid fraction pre-filters.
5) **AAM107** (COP; TCP) - pump 210 liters over 3 hours, collect one **HVS** PUF filter sample and 21 solid fraction pre-filters.
6) **WR-198** (USCG, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
7) **WR-186** (Barge Eagle, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
8) **WR-15** (Island Holdings, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
9) **WR-428** (DTNA, upland access) – collect 5-gallon **ISCO** grab sample
10) **WR-30** (POP, shoreline access) – collect 2.5-gallon **ISCO** grab sample via US Ecology vessel
11) **WR-71** (ATC, upland access) – collect 5-gallon **ISCO** grab sample

Quality Control Activities (including field calibrations): Calibrate field Water Quality instruments, Calibrate HVS flow rates to 1.5 liters/min, SGS laboratory based PUF filter PCDD/F and PCB spike profiling, MS/MSD and QA/QC volumes provided to ALS laboratory on whole water HVS and ISCO samples

Health and Safety Activities: AHAs – Combative Property Personnel, HVS activities, TCP plan review

Problems Encountered/Corrective Action Taken: None

Special Notes: None

DAILY QUALITY CONTROL REPORT

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)

☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)

☒ Calibrations performed (if yes, list above and provide calibration forms)

☒ No unusual events (if yes, describe above in *Special Notes*)

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Process and relinquish/ship HVS & ISCO water and solids fraction sample sets for laboratory analyses

Signature: 

Title: Upland Stormwater Evaluation Task Manager

10/21/22 SIB STORMWATER J. Mosley

0800: ORIENTATION MOBI TO US ECOLOGY TO BEGIN EQUIPMENT SETUP FOR FIRST FLUSH STORMWATER HUS AND ISCO SAMPLING EVENT AT AAM131, AAP957, AAD055 AAM169, AAM107, WR-198, WR-186, WR-15, WR-71, WR-418 AND WR-30.

0930: MEET GRAVITY CONSULTING AT SLOAN ISLAND PARKING LOT TO DISTRIBUTE HUS EQUIPMENT TO THE LOCATIONS.

1000: BRIDGEWATER, MOTT MACDONALD D+H FLAGGING AND TIG ALL MEET AT SLOAN ISLAND FOR TAILGATE SAFETY MEETING.

ORIENTATION - JOSS MOSLEY

GRAVITY - DEVE TRUSDELL
ED SLOAN

10/21/22 SCB STORMWATER J. Morris

: Jeff Schulz
Jamie Langdon
Chad Furniss

T&T: Kathy Martin

US Ecology: Greg Johnson

Mott MacDonald: Eduardo Mendez
Emma Wroblewski
Bhanu Priya -
Kalyanpi

D+H Flagging - Max Mendez
Mark Scherzer
Destony Hammond
Sondra Carpenter
Mitch Gadotti
Rodolfo Sanchez

1030: D+H setup TCA road
Control at AAPS-7, AAM169
and AAM107. Gravity
setup HUS stations at

10/21/22 SCB STORMWATER J. Moore

AAM131 and AAQ005.

+ Rain Schulz began at 11am

1220: HUS ready for setup at TCA
locations.

1256: Pump on at AAQ005. (Rain)

1325: Pump on at AAM257.

1330: MBI collect meets US Ecology
to begin collecting ISCO
private outfall samples.

1345: Pump on at AAM169

1435 Pump on at AAM131

1431 Collect 5-Gallon ISCO sample
at WR-71

1500 Pump on at AAM107

1510 Collect 5-Gallon ISCO sample
at WR-198

1515 Collect 2.5-Gallon ISCO sample
at WR-30 - Note only enough
water for one jar.

10/24/22 SIB SAMPLING T. MOORE

1525: COLLECT 5-GALLON ISCO SAMPLE WR-15

1542: COLLECT 5-GALLON ISCO SAMPLE WR-186.

1648: COLLECT 5-GALLON ISCO SAMPLE AT LR-428

1700: ORGANOLIC AND US ECOLOGY QA WATER - ISCO SAMPLES COMPLETE.

1906: FINAL HVS PUMP OFF AT AAM107.

1920: BEGIN ~~SAMPLE~~ EQUIPMENT DEMOB FROM EACH STATION AND FLAGGING TCP REMOVAL

1950: PLACE ALL SAMPLES IN US ECOLOGY PROCESSING LAB REFRIGERATORS.

2000: CHARTER AND ALL OTHER TEAMS DEMOB. TJM

SIB Stormwater Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM-HVS_IMG_2703	JM	AAQ005, example HVS mobile field lab setup	NW	10/21/2022	1001	45.56126	-122.70312
SIB-STM-HVS_IMG_2704	JM	HVS pump double flat pre-filter	NW	10/21/2022	847	45.56126	-122.70312
SIB-STM-HVS_IMG_2705	JM	HVS pump with single PUF filter sealed housing installed	SE	10/21/2022	1312	45.56126	-122.70312
SIB-STM-HVS_IMG_2706	JM	HVS setup	N	10/21/2022	755	45.56126	-122.70312
SIB-STM-HVS_IMG_2707	JM	Street remote primary pump installation AAM169	NW	10/21/2022	1001	45.56638	-122.70969
SIB-STM-HVS_IMG_51051	JM	Example new HVS flat pre-filter.	NW	10/21/2022	847	45.56638	-122.70969
SIB-STM-HVS_IMG_92226	JM	Example used HVS flat pre-filter being collected	SE	10/21/2022	1312	45.56638	-122.70969
SIB-STM-HVS_IMG_095324	JM	AAM169 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample	N	10/21/2022	755	45.56638	-122.70969
SIB-STM-HVS_IMG_100427	JM	AAQ005 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample	NW	10/21/2022	1001	45.56126	-122.70312
SIB-STM-HVS_IMG_094623	JM	AAP957 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample	NW	10/21/2022	847	45.56060	-122.70817
SIB-STM-HVS_IMG_095847	JM	AAM131 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample	SE	10/21/2022	1312	45.56488	-122.71606
SIB-STM-HVS_IMG_094058	JM	AAM107 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample	N	10/21/2022	755	45.56949	-122.71410
SIB-STM-HVS_IMG_170445	JM	WR-428 ISCO sampler.	NW	10/21/2022	1001	45.56181	-122.70933
SIB-STM-HVS_IMG_103322	JM	WR-428 ISCO 5-gallon grab sample	NW	10/21/2022	847	45.56181	-122.70933
SIB-STM-HVS_IMG_144830	JM	WR-198 ISCO sampler	SE	10/21/2022	1312	45.57091	-122.72143
SIB-STM-HVS_IMG_103849	JM	WR-198 5-gallon ISCO sample	N	10/21/2022	755	45.57091	-122.72143
SIB-STM-HVS_IMG_155948	JM	WR-186 outfall	NW	10/21/2022	1001	45.56471	-122.70961
SIB-STM-HVS_IMG_102107	JM	WR-186 5-gallon ISCO sample.	NW	10/21/2022	847	45.56471	-122.70961
SIB-STM-HVS_IMG_153138	JM	WR-15 outfall.	SE	10/21/2022	1312	45.56408	-122.70859
SIB-STM-HVS_IMG_102543	JM	WR-15 5-gallon ISCO sample.	N	10/21/2022	755	45.56408	-122.70859
SIB-STM-HVS_IMG_163346	JM	WR-71 ISCO sampler at WR-71 catch basin	NW	10/21/2022	1001	45.56663	-122.71119
SIB-STM-HVS_IMG_101852	JM	WR-71 ISCO 5-gallon sample	NW	10/21/2022	847	45.56663	-122.71119
SIB-STM-HVS_IMG_151159	JM	WR-30 ISCO sampler at WR-30 catch basin	SE	10/21/2022	1312	45.56269	-122.71091
SIB-STM-HVS_IMG_104250	JM	WR-30 ISCO 2.5-gallon sample	N	10/21/2022	755	45.56269	-122.71091

DAILY QUALITY CONTROL REPORT



Photograph 1. AAQ005, example HVS mobile field lab setup. (IMG_2703)



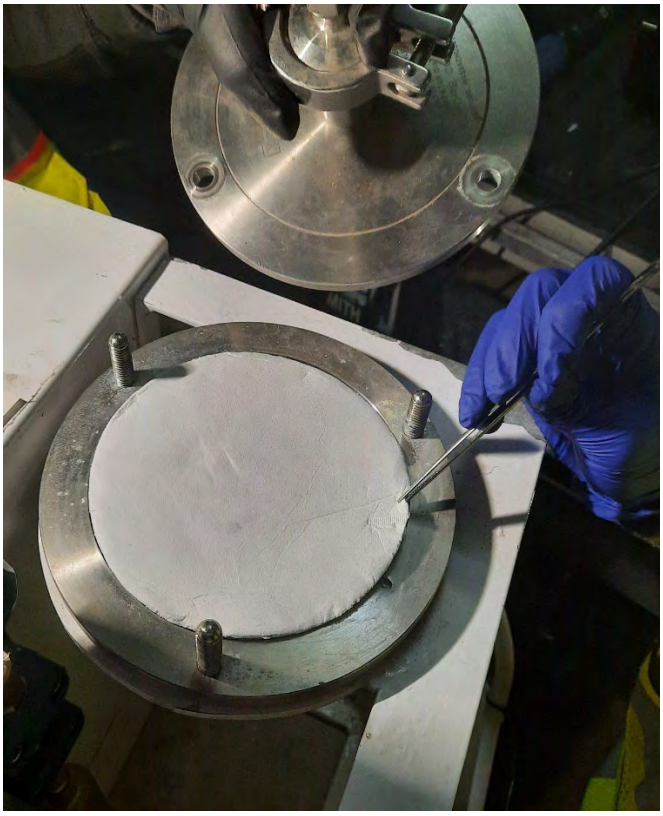
Photograph 2. HVS pump with single PUF filter sealed housing installed. (IMG_2705)

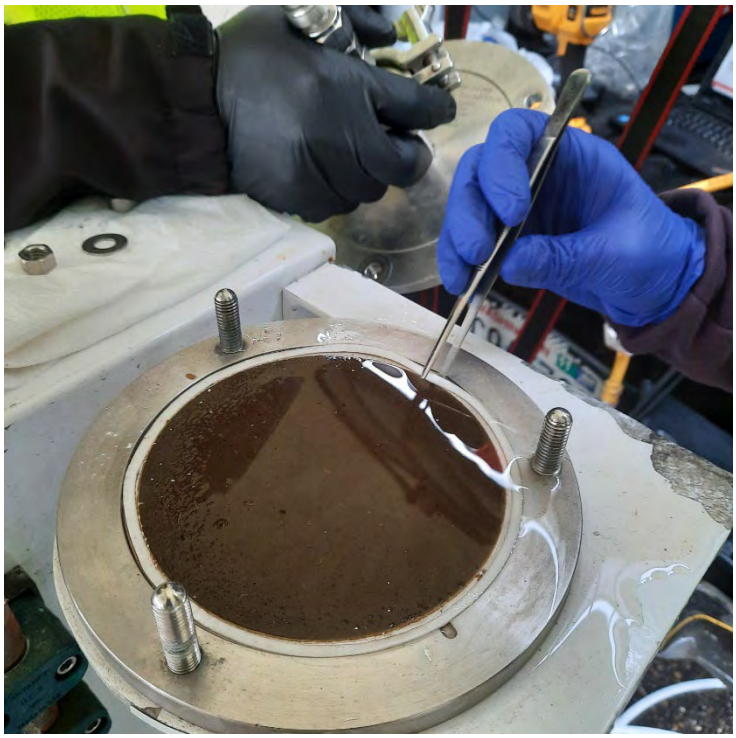


Photograph 3. HVS setup. (IMG_2706)



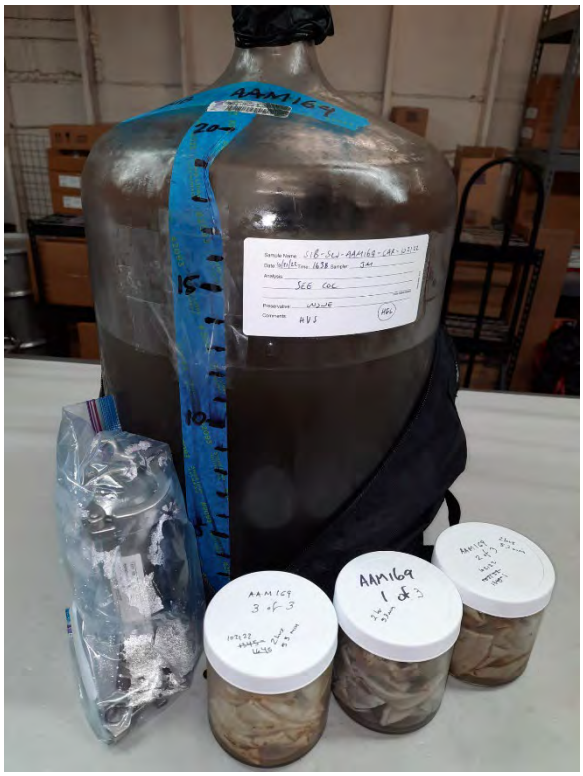
Photograph 4. HVS pump double flat pre-filter. (IMG_2704)





Photograph 5. Example new HVS flat pre-filter. (IMG_51051)
Photograph 6. Example used HVS flat pre-filter being collected. (IMG_92226)



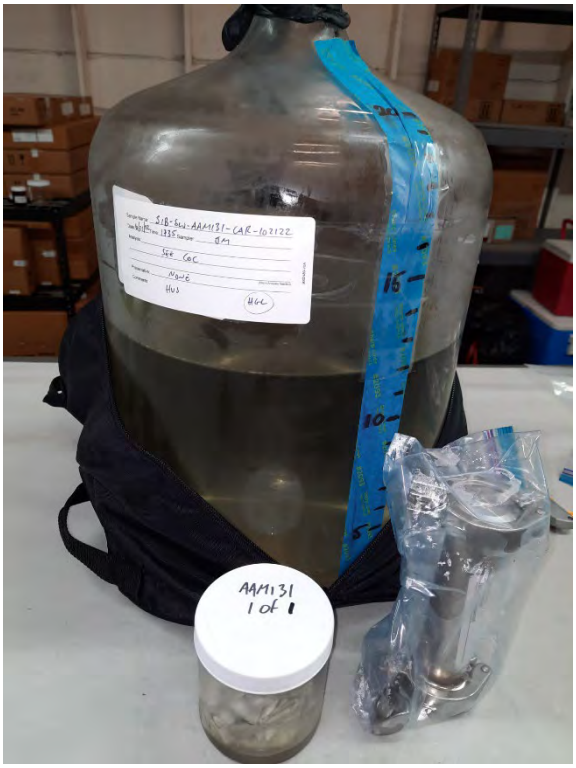


Photograph 7. Street remote primary pump installation AAM169. (IMG_2707)
Photograph 8. AAM169 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_095324)





Photograph 9. AAQ005 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_100427).
Photograph 10 AAP957 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_094623)





Photograph 11. AAM131 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_095847)
Photograph 12. AAM107 whole water carboy, 8oz jars with flat pre-filters and sealed PUF filter sample. (IMG_094058)





Photograph 13. WR-428 ISCO sampler. (IMG_170445)
Photograph 14. WR-428 ISCO 5-gallon grab sample. (IMG_103322)





Photograph 15. WR-198 ISCO sampler. (IMG_144830)
Photograph 16. WR-198 5-gallon ISCO sample. (IMG_103849)





Photograph 17. WR-186 outfall. (IMG_155948)
Photograph 18. WR-186 5-gallon ISCO sample. (IMG_102107)





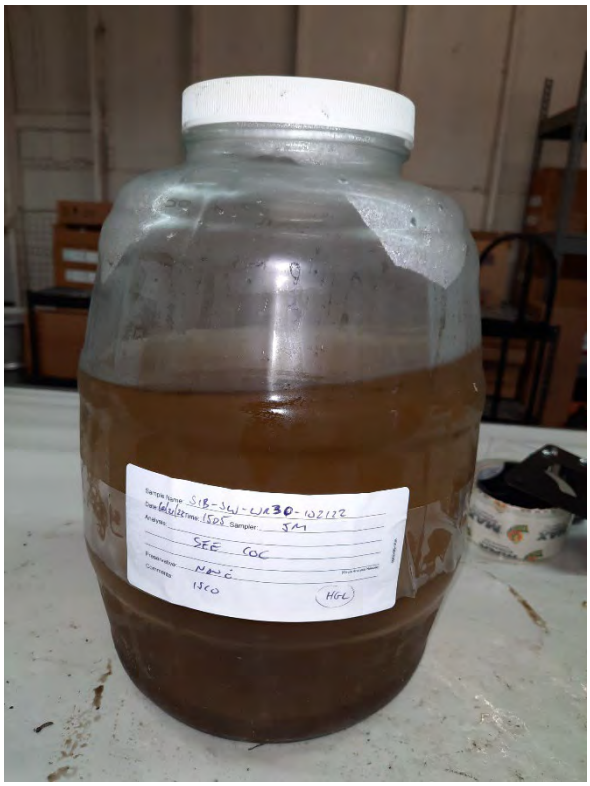
Photograph 19. WR-15 outfall. (IMG_153138)
Photograph 20. WR-15 5-gallon ISCO sample. (IMG_102543)





Photograph 21. WR-71 ISCO sampler at WR-71 catch basin. (IMG_163346)
Photograph 22. WR-71 ISCO 5-gallon sample. (IMG_101852)





Photograph 23. WR-30 ISCO sampler at WR-30 catch basin. (IMG_151159)
Photograph 24. WR-30 ISCO 2.5-gallon sample (IMG_104250)

orbislogic HGL HydroGeoLogic, Inc

SGS Wilmington, NC

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 **of** 1

COC Number: 20221024-SIB-HVS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager: AMY BOEHM (SGS)
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at SGS**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: HVS
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: PCBs (Congeners) (1668)	Dioxins/Furans (1613B)	Organochlorine Pesticides (1699M)	BEHP (8270D-LL)	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	TOC (9060)	Moisture Content (D2216)	Total Solids (SM 2540G)			Filtered (Y/N)	REMARKS / Lab ID
														Y	Y	Y											
1	SIB-SE-AAM131-FRONT-102122	ST	C	10/21/2022	17:35	1	X							X	X	X											Solids & Pre-Filters
4	SIB-SE-AAQ005-FRONT-102122	ST	C	10/21/2022	15:52	3	X							X	X	X											Solids & Pre-Filters
5	SIB-SE-AAM169-FRONT-102122	ST	C	10/21/2022	16:38	3	X							X	X	X											Solids & Pre-Filters
6	SIB-SE-AAM107-FRONT-102122	ST	C	10/21/2022	18:07	1	X							X	X	X											Solids & Pre-Filters
7	SIB-SE-AAP957-FRONT-102122	ST	C	10/21/2022	17:25	2	X							X	X	X											Solids & Pre-Filters
8	SIB-SW-AAM131-BACK-102122	ST	C	10/21/2022	17:35	1	X							X	X	X											PUF
9	SIB-SW-AAQ005-BACK-102122	ST	C	10/21/2022	15:52	1	X							X	X	X											PUF
10	SIB-SW-AAM169-BACK-102122	ST	C	10/21/2022	16:38	1	X							X	X	X											PUF
11	SIB-SW-AAM107-BACK-102122	ST	C	10/21/2022	18:07	1	X							X	X	X											PUF
12	SIB-SW-AAP957-BACK-102122	ST	C	10/21/2022	17:25	1	X							X	X	X											PUF

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		10/24/2022			Joss Moore HGL/Orbislogic	10/24/22				

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 10/24/2022

orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 **of** 3

COC Number: 20221021-SIB-HVS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at Kelso**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: HVS
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: BEHP (8270D-LL)	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-LL)	Tributyltin	TSS (SM 2540D)	TOC (9060)	Moisture Content (D2216)	TS (SM 2540G)	Dissolved Organic Carbon (SM 5310C)	Lab Sieve and Homogenization	Filtered (Y/N)	REMARKS / Lab ID
														N	N	N	N	N	N	N	N	N					
1	SIB-SW-AAM131-CAR-102122	ST	C	10/21/2022	17:35	1	X													X	X						Run on carboy prior to cetrifuge
4	SIB-SW-AAQ005-CAR-102122	ST	C	10/21/2022	15:52	1	X													X	X						Run on carboy prior to cetrifuge
5	SIB-SW-AAM169-CAR-102122	ST	C	10/21/2022	16:38	1	X													X	X						Run on carboy prior to cetrifuge
6	SIB-SW-AAM107-CAR-102122	ST	C	10/21/2022	18:06	1	X													X	X						Run on carboy prior to cetrifuge
7	SIB-SW-AAP957-CAR-102122	ST	C	10/21/2022	17:25	1	X													X	X						Run on carboy prior to cetrifuge
8	SIB-SW-AAM131-CAR-ST-102122	ST	C	10/21/2022	17:35	1	X							X	X	X	X	X	X	X				X			Centrifuged Carboy Water
9	SIB-SW-AAQ005-CAR-ST-102122	ST	C	10/21/2022	15:52	1	X							X	X	X	X	X	X	X				X			Centrifuged Carboy Water
10	SIB-SW-AAM169-CAR-ST-102122	ST	C	10/21/2022	16:38	1	X							X	X	X	X	X	X	X				X			Centrifuged Carboy Water
11	SIB-SW-AAM107-CAR-ST-102122	ST	C	10/21/2022	18:06	1	X							X	X	X	X	X	X	X				X			Centrifuged Carboy Water
12	SIB-SW-AAP957-CAR-ST-102122	ST	C	10/21/2022	17:25	1	X							X	X	X	X	X	X	X				X			Centrifuged Carboy Water

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		10/22/2022			Joss Moore HGL/Orbislogic	102222				

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 10/22/2022

Additional Comments:

CHAIN-OF-CUSTODY / Analytical Request Document

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orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

COC Number: 20221021-SIB-HVS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at Kelso**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: HVS
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: BEHP (8270D-LL)	Diesel (NWTPHDDx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-ULL)	Tributyltin	Herbicides	TOC (9060)	Moisture Content (D2216)	TS (SM 2540G)	Dissolved Organic Carbon (SM 5310C)	Lab Sieve and Homogenization	Filtered (Y/N)	REMARKS / Lab ID
1	SIB-SW-AAM131-CAR-SE-102122	ST	C	10/21/2022	17:35	1	X							X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
4	SIB-SW-AAQ005-CAR-SE-102122	ST	C	10/21/2022	15:52	1	X							X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
5	SIB-SW-AAM169-CAR-SE-102122	ST	C	10/21/2022	16:38	1	X							X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
6	SIB-SW-AAM107-CAR-SE-102122	ST	C	10/21/2022	18:06	1	X							X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
7	SIB-SW-AAP957-CAR-SE-102122	ST	C	10/21/2022	17:25	1	X							X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
8																											
9																											
10																											
11																											
12																											

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS		ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		10/22/2022				Joss Moore HGL/Orbislogic	102222				

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 10/22/2022

orbislogic HGL

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 3 of 3

COC Number: 20220505-SIB-ISCO

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:		
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager:		
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at Kelso**	Project #:	**DT2002.03.03.03.01**	
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix:	ISCO	
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI			Sampling Team Members:	
	Project Number: **DT2002.03.03.03.01**	State Location: OR		Orbislogic: 503-320-1796	

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	*Preservatives* # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis N: BEHP (8270D-LL)	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-LL)	Tributyltin	TSS (SM 2540D)	TOC (9060)	Herbicide	Pesticide	Dissolved Organic Carbon (SM 5310C)	PCB	*	Filtered (Y/N) REMARKS / Lab ID
1	SIB-SW-WR198-102122	ST	G	10/21/2022	1450	2	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
4	SIB-SW-WR186-102122	ST	G	10/21/2022	1542	2	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
5	SIB-SW-WR15-102122	ST	G	10/21/2022	1525	2	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
6	SIB-SW-WR428-102122	ST	G	10/21/2022	1648	2	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
7	SIB-SW-WR71-102122	ST	G	10/21/2022	1431	2	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
8	SIB-SW-WR30-102122	ST	G	10/21/2022	1505	1	X							X	X	X	X	X	X	X	X	X	X	X	X		Centrifuge
9																											
10																											
11																											
12																											

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS		ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		10/22/2022				Joss Moore HGL/Orbislogic	102222				

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 10/22/2022

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [ ] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [x] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] ~~UXO~~ Awareness
- [ ] ~~Asbestos~~ Awareness
- [ ] ~~Health~~ and Safety Plan Addendum: _____
- [ ] ~~Other:~~ ___

Date/Time: 10/21/22 1000 hrs Client: DTNA / Vigor

Location: Swan Island Basin - Portland Harbor Superfund Site Job No.: DT2002

Meeting/training conducted by: Joss Moore

Work Activities: HVS SAMPLING

Safety / Training Topics Presented

Chemical Hazards: PROJECT STORMWATER COCs

Physical Hazards: PUBLIC ROADS, OPEN VAULTS, SLIPS TRIPS FALLS

Specific Safety Topic(s): TRAFFIC CONTROL - COMMUNICATION

Specific Training Covered: HVS PROCEDURES

Attendees

Name Printed and Employee Number:	Signature:
Bhanupriya Kasukurthi	
Kyle Trufant	
Max McNeil	Max
MARK SCHERER	
Destony Hammond	
Sandra Carpenter	
mitch Gadotti	
RODOLFO SANCHEZ	
Jeff Schu	
Ed Scarn	
Jake Campden	
Justin Pounds Bapes	

HGL HydroGeologic, Inc
Exceeding Expectations

SAFETY MEETING/TRAINING LOG

- ☑ Tailgate (daily)
- ☑ Activity Hazard Analysis
- ☑ Pre-Task Hazard Analysis (prior to new task or operation)
- ☑ Site Safety Orientation (new personnel)
- ☐ ~~Supervisor~~'s (monthly)
- ☐ ~~Supervisor~~'s (weekly)
- ☐ ~~UXO~~ Awareness
- ☐ As~~bestos~~ Awareness
- ☐ ~~Health~~ and Safety Plan Addendum: _____
- ☐ ~~Other~~: ___

Date/Time: 10/21/22 Client: DTNA/UCOR

Location: Scrap Island Basin Job No.: DT2002

Meeting/training conducted by: Jois Moore

Work Activities: HVS Sampling

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs - STORMWATER

Physical Hazards: PUBLIC ROADS, OPEN VAULTS, SLIP TRIPS FALLS.

Specific Safety Topic(s): TRAFFIC CONTROL - COMMUNICATIONS

Specific Training Covered: HVS PROCEDURES.

Attendees

Name Printed and Employee Number:	Signature:
Bhanupriya Kasutiri	
EDUARDO MUNOZ	
EMMY WROBLESKI	
Chad Furlie	

DAILY FIELD REPORT

DATE: 11/12/2022
PLANNED ACTIVITY PERIOD: 11/12/2022 to 11/13/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:							Clear
Temperature:							46°F
Wind:							NE 10mph
Humidity:							44%

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Harry Moore (Orbislogic), Andy Worley, Jake Keller, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team), Ron Witherspoon, Max McNeil (D&H Flagging).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, TCP lane closure equipment field vehicles, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Tailgate safety and daily operations meeting, install TCP lane closures
2) AAP957 (COP); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW and SE laterals.
3) AAM169 (COP); CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW, E & SE laterals.
4) AAM104 (COP), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW, NE & SE laterals.
5) Remove TCP lane closure equipment, process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
6) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – Combative Property Personnel, CSE activities

Problems Encountered/Corrective Action Taken: None.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)

DAILY QUALITY CONTROL REPORT

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Continue flow data downloads, in-line sediment trap sample bottle collection and replenishment and equipment maintenance using CSE procedures at remaining stormwater conveyance locations

Signature: 

Title: Upland Stormwater Evaluation Task Manager

11/12/22 SIB DEBRIEF J. MOORE

0730: ORBISLOCK LOAD FIELD VEHICLE. READY FOR DAY OF CONFINED SPACE ENTRY WITH US ECOLOGY, D+H FLAGGING CONDUCT TCP READ CLOSURE.

- ORBISLOCK - JOSH MOORE
  HARM MOORE
- D+H FLAGGING - RON LITHERLAND
  MAX MCNEIL
- US ECOLOGY: ANDY VALLEY
  DANSANE CEESAY
  PERM STATION
  JAKE KELLER
- CONDUCT TAILGATE SAFETY MEETING.

0815: D+H BEGIN SETUP AT AAP957 ORBISLOCK AND US ECOLOGY PREPARE EQUIPMENT FOR CSE OPERATIONS

11/12/22 STORMWATER SAMPLING J. Mark

0900: D+H SETUP ON AAPS57, US ECOLOGY + ORBISPHERE MOB TO LOCATION AND OPEN MANHOLE - MONITOR AIR AND BEGIN CSE PERMIT.

* DOWNLOAD FLOW METER DATA AND CHANGE OUT IN-LINE SED TRAP IN POLY SAMPLE BOTTLES.

* NOTE: POWER OUT FAULT ON AAPS57-SE FLOW METER, NO DATA FOR OCT 2-NOV 11. TROUBLE SHOOT - METER IS FUNCTIONING. REPLACE.

*: NOTE: ONLY TRACE SEDIMENT IN BOTTLES.

0910: AAPS57-SE SAMPLES COLLECTED

0925: AAPS57-NW SAMPLES COLLECTED

1005: CSE COMPLETE, US ECOLOGY

11/12/22 STORMWATER SAMPLING J. Mark

OUT OF VAULT. PROCESS SAMPLES

1015: DEMOB FROM AAPS57 AND D+H BREAK DOWN TCP. MOB TO AAM169.

1100: AAM169 TCP SETUP, ORBISPHERE & US ECOLOGY ENTER. BEGIN CSE PERMIT.

* BEGIN DOWNLOAD of FLOW DATA AND CHANGE IN-LINE SEDIMENT BOTTLES AT EACH LATERAL, E, SE AND NW

* NOTE: ONLY TRACE AMOUNTS OF SEDIMENT IN AN IN-LINE SED TRAP BOTTLES FROM SE LATERAL, <2mm IN E LATERAL AND <5mm IN NW LATERAL.

1115 US ECOLOGY OUT OF AAM169. DEMOB. D+H BREAKDOWN

11/12/22 STORMWATER SAMPLING J. Moore

TCP. BEGIN SETUP AT AAM104.

1320: TCP READY AT AAM104, ORBISCOPE AND US ECOSCAN BEGIN CSE PERMIT.

* DOWNLOAD FLOW DATA AND EXCHANGE IN-LINE SED TRAP IL POLY BOTTLES AT THE LATERALS - NE, SE, NW.

* NOTE ONLY TRACE SEDIMENT IN BOTTLES COLLECTED AT SE AND NE LATERALS, NO SEDIMENT IN NW LATERAL

1345: COLLECT SAMPLES SIB-SED-AAM104-NW-111222

1358: COLLECT SAMPLES SIB-SED-AAM104-NE-111222

1406: COLLECT SAMPLES SIB-SED-AAM104-SE-111222

11/12/22 STORMWATER SAMPLING J. Moore

1440: CSE COMPLETE, US ECOSCAN LEAVE AAM104, DEMOB TO US ECOSCAN.

1500 ORBISCOPE COMPLETES SAMPLE PROCESSING. D+H BEGIN TCP BREAKDOWN.

1530: ALL STAFF DEMOB FROM SWAN ISLANDS. ORBISCOPE PREPARES DAILY REPORT.

SJM

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [ ] Pre-Task Hazard Analysis (prior to new task or operation)
- [ ] Site Safety Orientation (new personnel)
- [ ] Supervisor's (monthly)
- [ ] Supervisor's (weekly)
- [ ] UXO Awareness
- [ ] Asbestos Awareness
- [ ] Health and Safety Plan Addendum: _____
- [ ] Other: _____

Date/Time: 11/12/22 0800 hrs Client: DTNA/VIGOR

Location: SWAN ISLAND LAGOON - PORTLAND HARBOR Job No.: _____

Meeting/training conducted by: Josi Monié

Work Activities: STORMWATER CONVEYANCE INLINE SES TRAP SAMPLING.

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs

Physical Hazards: CONFINE SPACE OPERATIONS - ROAD TRAFFIC

Specific Safety Topic(s): CSE SAFETY, BUDDY SYSTEM, COMMUNICATION

Specific Training Covered: CSE PERMITS

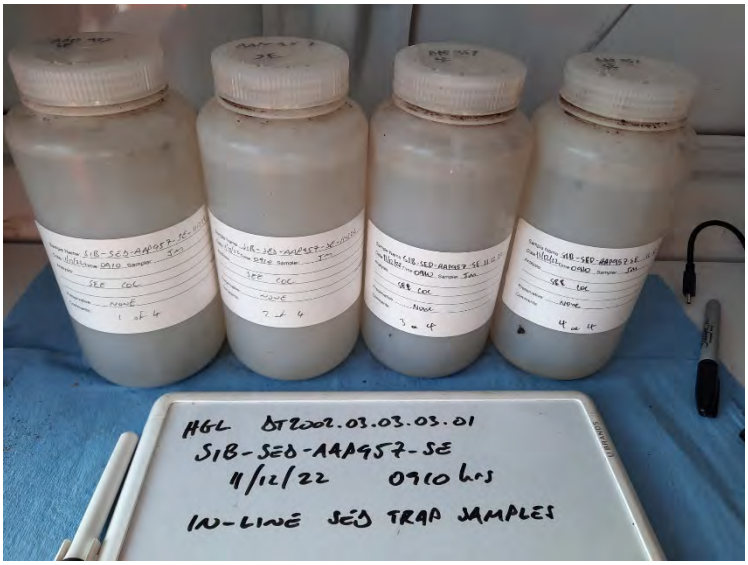
Attendees

Name Printed and Employee Number:	Signature:
Josi Monié	
Harry Moore	
Max Mencil	
Ronald Witherspoon	
Penny L Stayton	
STEPHANIE CESSAY	
Andy Worley	
JAKOB KELLER	

SIB Stormwater Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM_AAP957-SE_100037	JM	In-line sed trap samples AAP957-SE	SE	11/12/2022	910	45.56060	-122.70817
SIB-STM_AAP957-SE_0170	JM	Sample bottles prior to removal AAP957-SE	SE	11/12/2022	845	45.56060	-122.70817
SIB-STM_AAP957-SE_0172	JM	New sample bottles installed AAP957-SE	SE	11/12/2022	855	45.56060	-122.70817
SIB-STM_AAP957-SE_0171	JM	Flow sensor AAP957-SE	SE	11/12/2022	840	45.56060	-122.70817
SIB-STM_AAP957-NW_1000151	JM	In-line sed trap samples AAP957-NW	SE	11/12/2022	925	45.56060	-122.70817
SIB-STM_AAP957-NW_0177	JM	Sample bottles prior to removal AAP957-NW	SE	11/12/2022	915	45.56060	-122.70817
SIB-STM_AAP957-NW_0174	JM	New sample bottles installed AAP957-NW	SE	11/12/2022	920	45.56060	-122.70817
SIB-STM_AAM169-SE_120636	JM	In-line sed trap samples AAM169-SE	SE	11/12/2022	1135	45.56638	-122.70969
SIB-STM_AAM169-SE_0189	JM	Sample bottles prior to removal AAM169-SE	SE	11/12/2022	1110	45.56638	-122.70969
SIB-STM_AAM169-SE_0186	JM	New sample bottles installed AAM169-SE	SE	11/12/2022	1125	45.56638	-122.70969
SIB-STM_AAM169-SE_0188	JM	Flow sensor AAM169-SE	SE	11/12/2022	1130	45.56638	-122.70969
SIB-STM_AAM169-NW_120723	JM	In-line sed trap samples AAM169-NW	NW	11/12/2022	1145	45.56638	-122.70969
SIB-STM_AAM169-NW_0186	JM	Sample bottles prior to removal AAM169-NW	NW	11/12/2022	1136	45.56638	-122.70969
SIB-STM_AAM169-NW_0199	JM	New sample bottles installed AAM169-NW	NW	11/12/2022	1140	45.56638	-122.70969
SIB-STM_AAM169-NW_0197	JM	Flow sensor AAM169-NW	NW	11/12/2022	1143	45.56638	-122.70969
SIB-STM_AAM169-E_120539	JM	In-line sed trap samples AAM169-E	E	11/12/2022	1120	45.56638	-122.70969
SIB-STM_AAM169-E_950182	JM	Sample bottles prior to removal AAM169-E	E	11/12/2022	1050	45.56638	-122.70969
SIB-STM_AAM169-E_950185	JM	New sample bottles installed AAM169-E	E	11/12/2022	1108	45.56638	-122.70969
SIB-STM_AAM169-E_112425	JM	Flow sensor AAM169-E	E	11/12/2022	1112	45.56638	-122.70969
SIB-STM_AAM104-SE_141432	JM	In-line sed trap samples AAM104-SE	SE	11/12/2022	1406	45.56949	-122.71410
SIB-STM_AAM104-SE_210	JM	Sample bottles prior to removal AAM104-SE	SE	11/12/2022	1550	45.56949	-122.71410
SIB-STM_AAM104-SE_218	JM	New sample bottles installed AAM104-SE	SE	11/12/2022	1400	45.56949	-122.71410
SIB-STM_AAM104-SE_213	JM	Flow sensor AAM104-SE	SE	11/12/2022	1404	45.56949	-122.71410
SIB-STM_AAM104-NW_141313	JM	In-line sed trap samples AAM104-NW	NW	11/12/2022	1345	45.56949	-122.71410
SIB-STM_AAM104-NW_0203	JM	Sample bottles prior to removal AAM104-NW	NW	11/12/2022	1335	45.56949	-122.71410
SIB-STM_AAM104-NW_0204	JM	New sample bottles installed AAM104-NW	NW	11/12/2022	1338	45.56949	-122.71410
SIB-STM_AAM104-NW_0202	JM	Flow sensor AAM104-NW	NW	11/12/2022	1340	45.56949	-122.71410
SIB-STM_AAM104-NE_141236	JM	In-line sed trap samples AAM104-NE	NE	11/12/2022	1359	45.56949	-122.71410
SIB-STM_AAM104-NE_0205	JM	Sample bottles prior to removal AAM104-NE	NE	11/12/2022	1350	45.56949	-122.71410
SIB-STM_AAM104-NE_0209	JM	New sample bottles installed AAM104-NE	NE	11/12/2022	1355	45.56949	-122.71410
SIB-STM_AAM104-NE_0206	JM	Flow sensor AAM104-NE	NE	11/12/2022	1357	45.56949	-122.71410



SIB-STM_AAP957-SE_100037



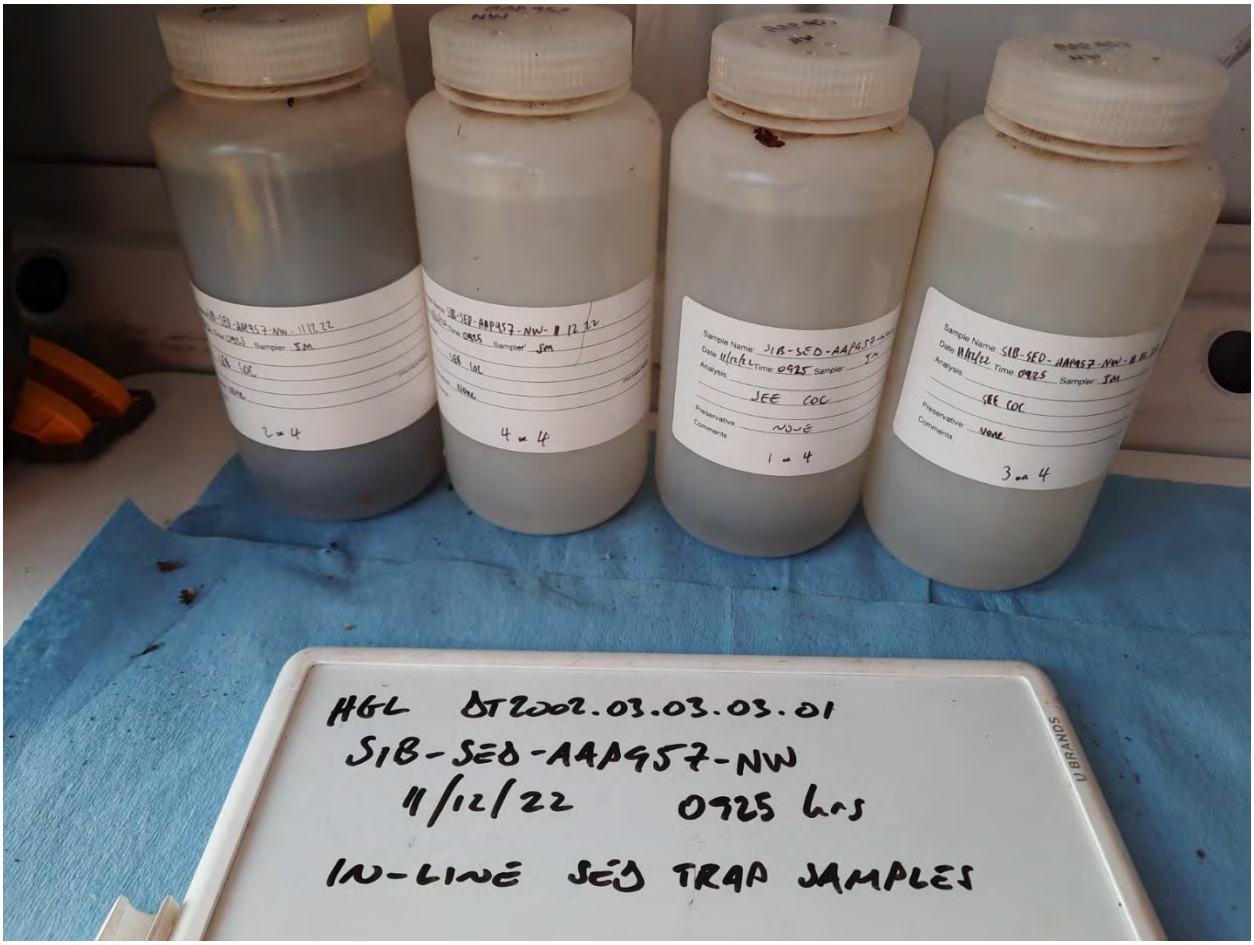
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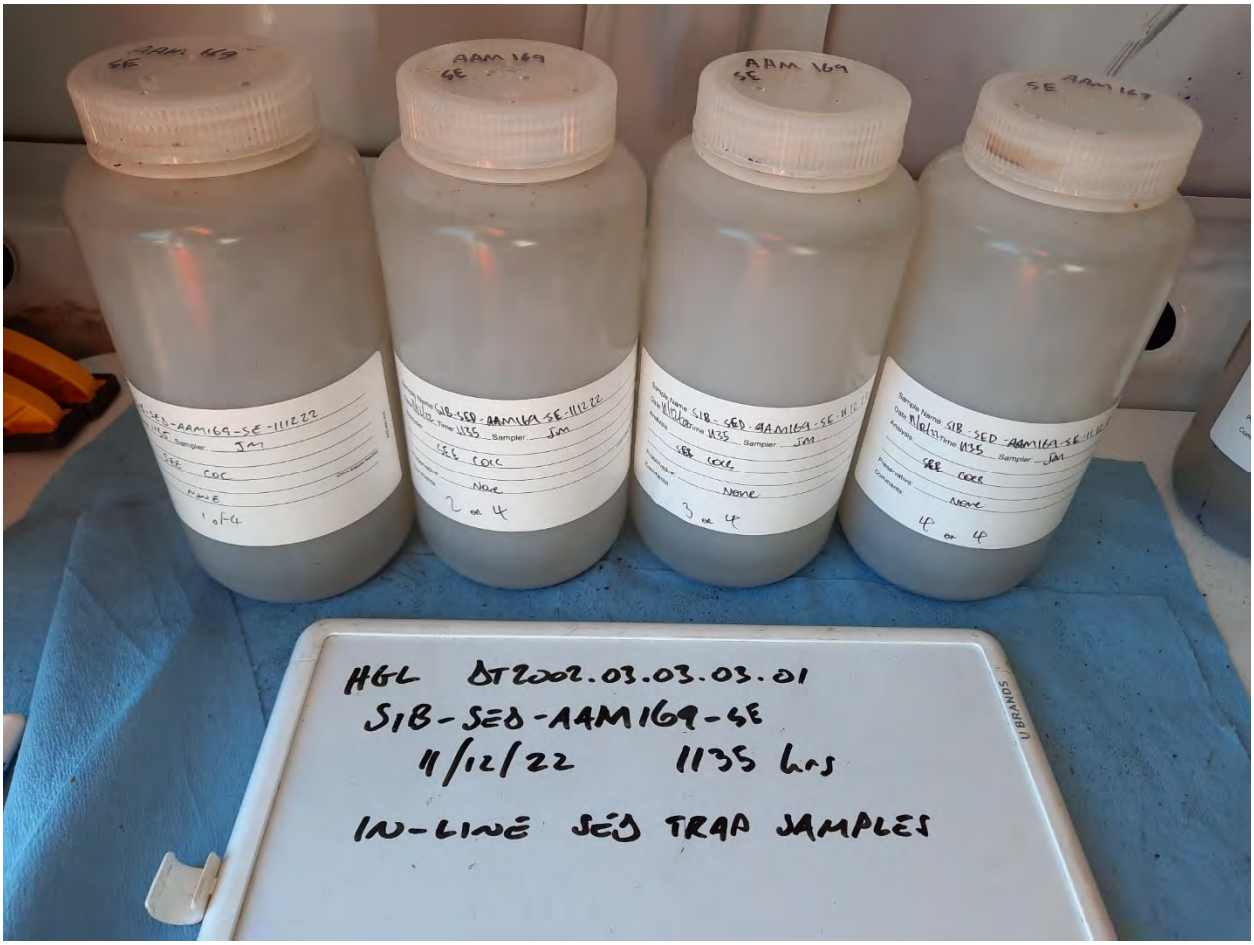
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SIB-STM_AAP957-NW_0174



SIB-STM_AAM169-SE_120636



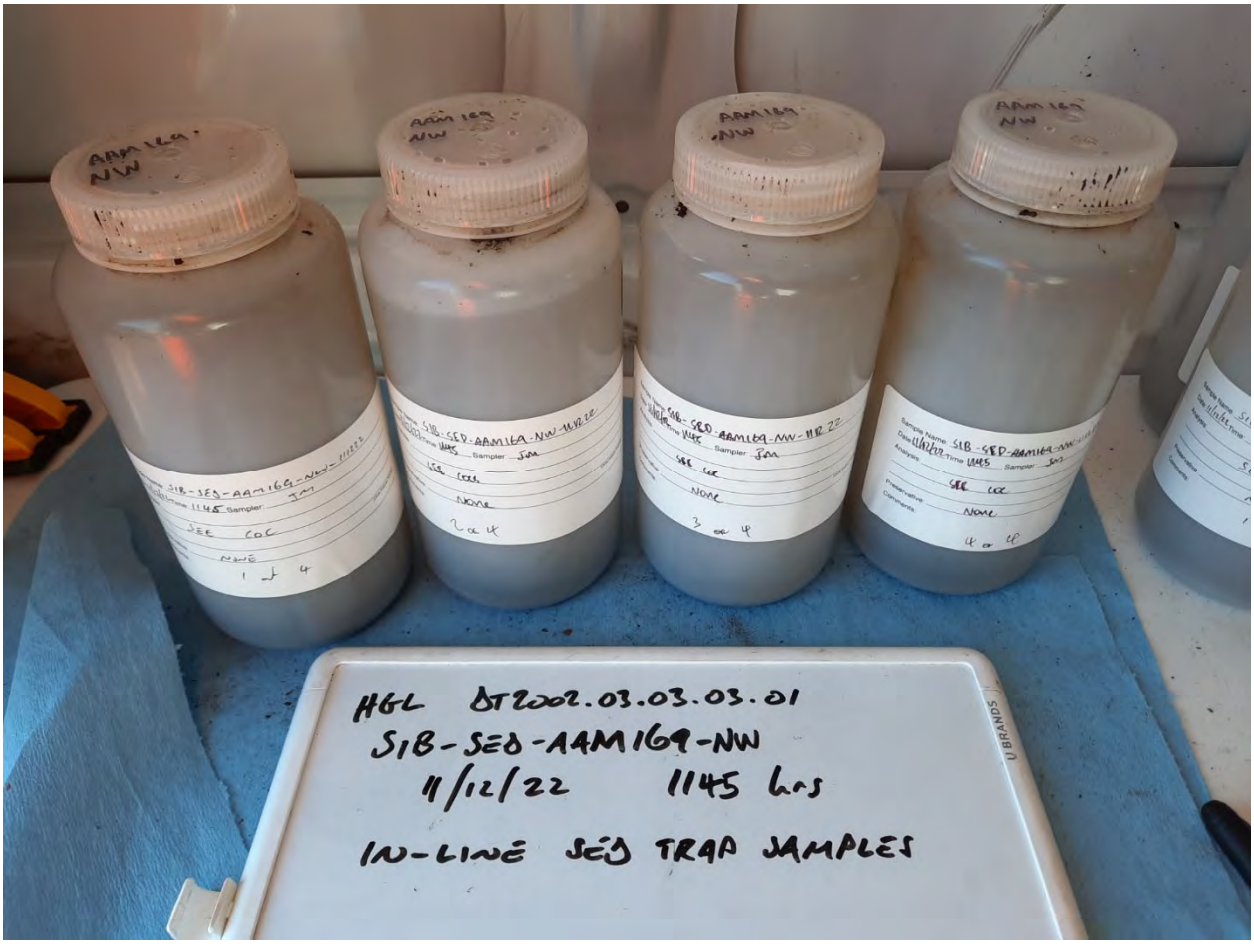
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SIB-STM_AAM169-SE_0188



SIB-STM_AAM169-NW_120723



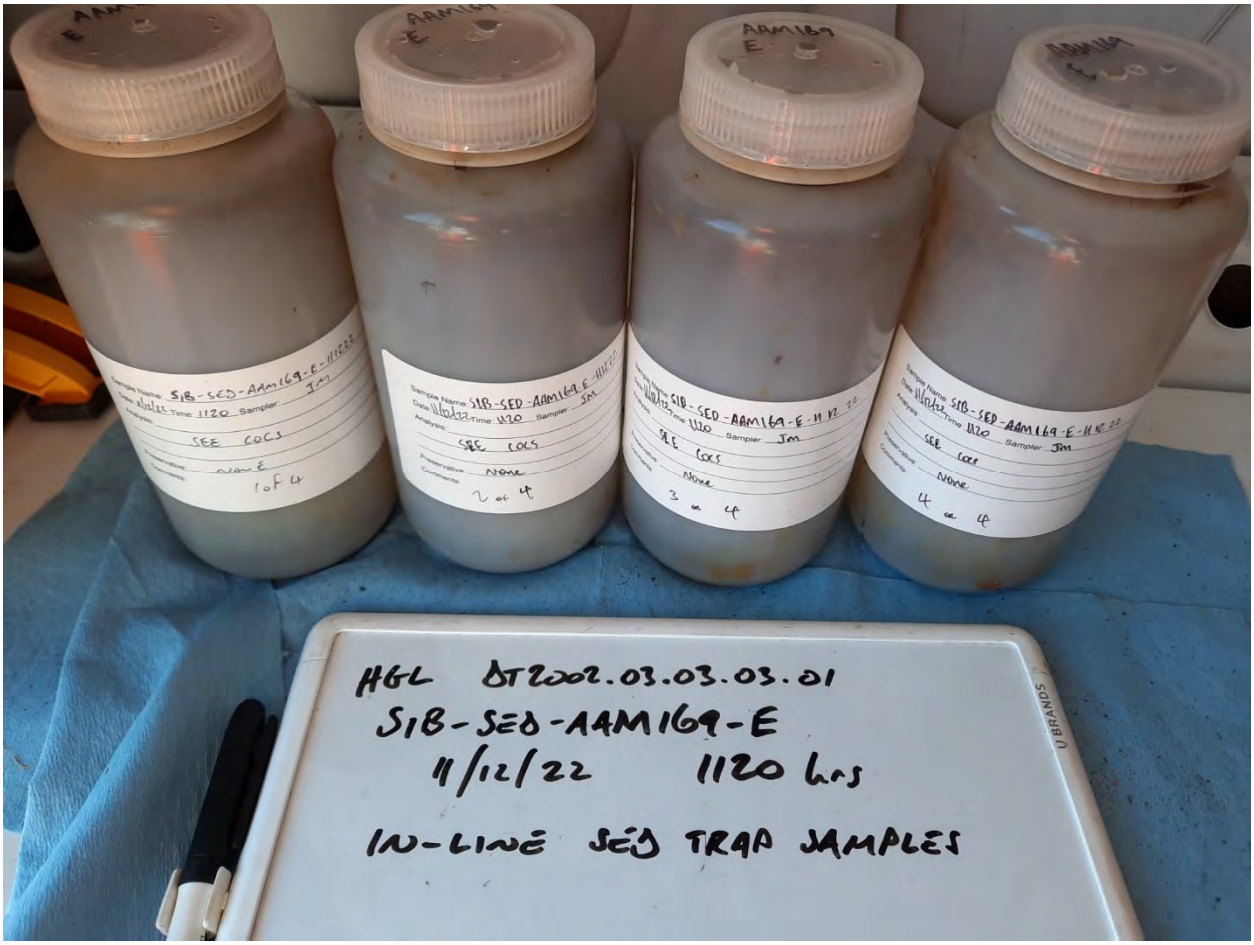
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SIB-STM_AAM169-NW_0197



SIB-STM_AAM169-E_120539



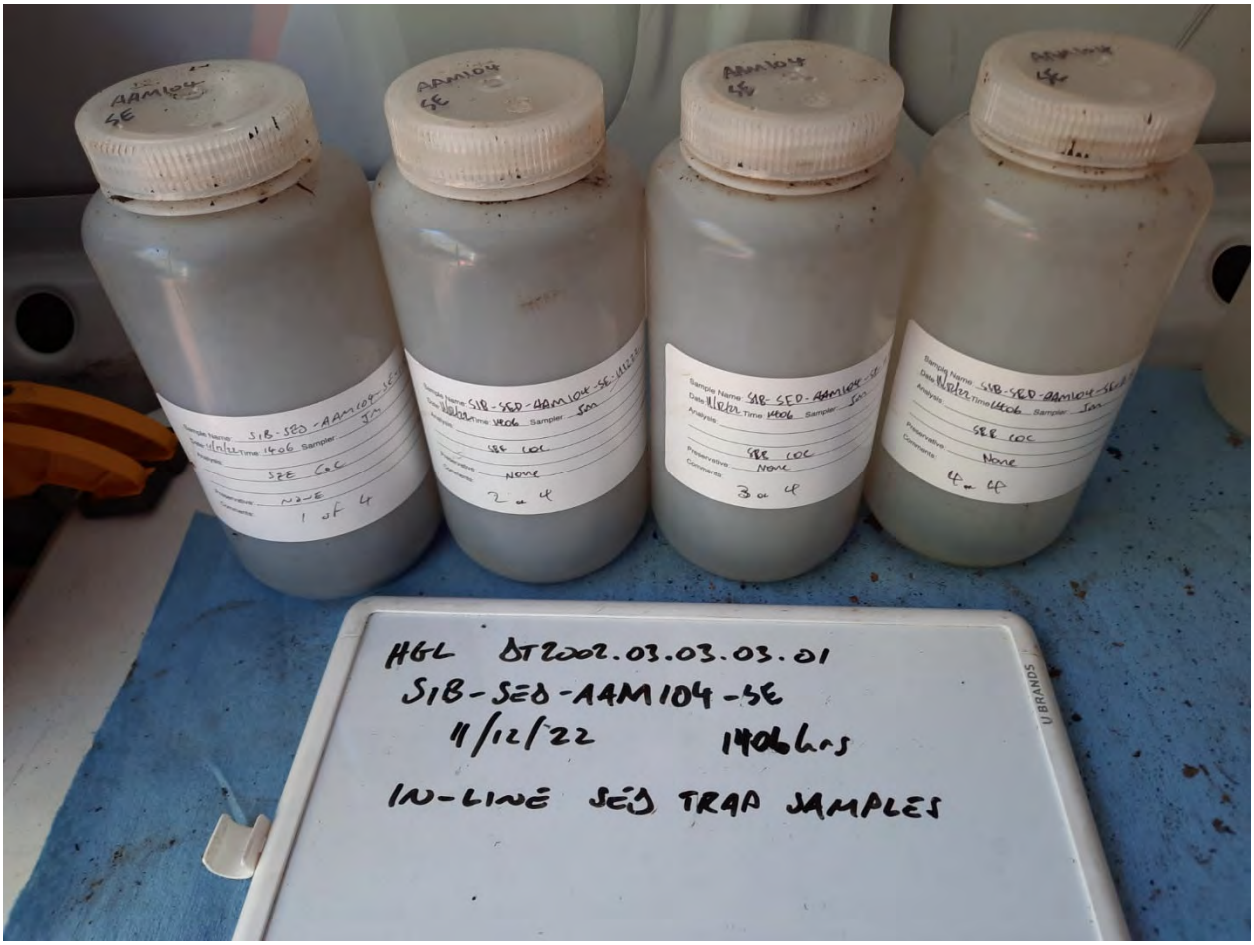
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SIB-STM_AAM169-E_950185



SIB-STM_AAM169-E_112425



SIB-STM_AAM104-SE_141432



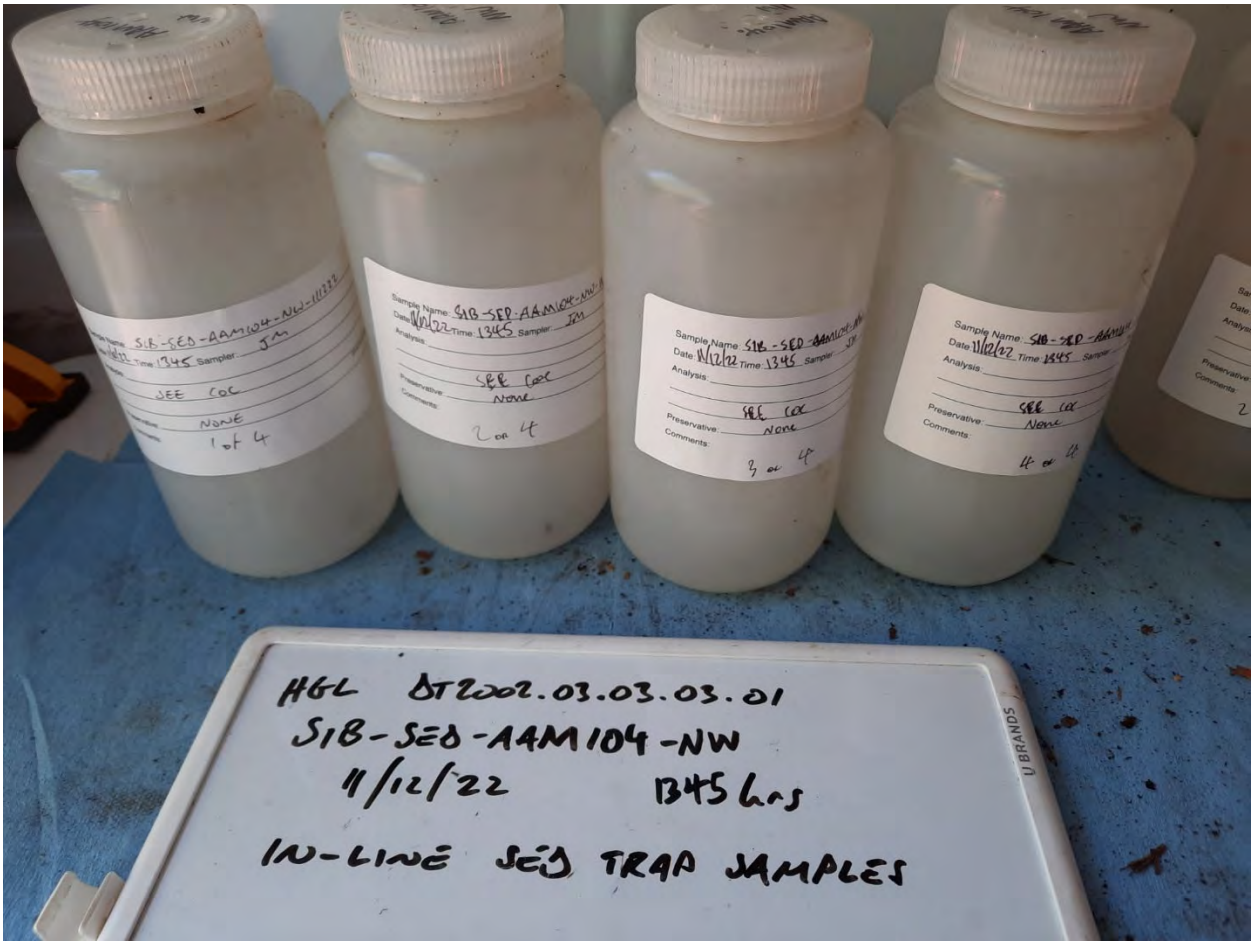
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SIB-STM_AAM104-SE_218



SIB-STM_AAM104-SE_213



SIB-STM_AAM104-NW_141313



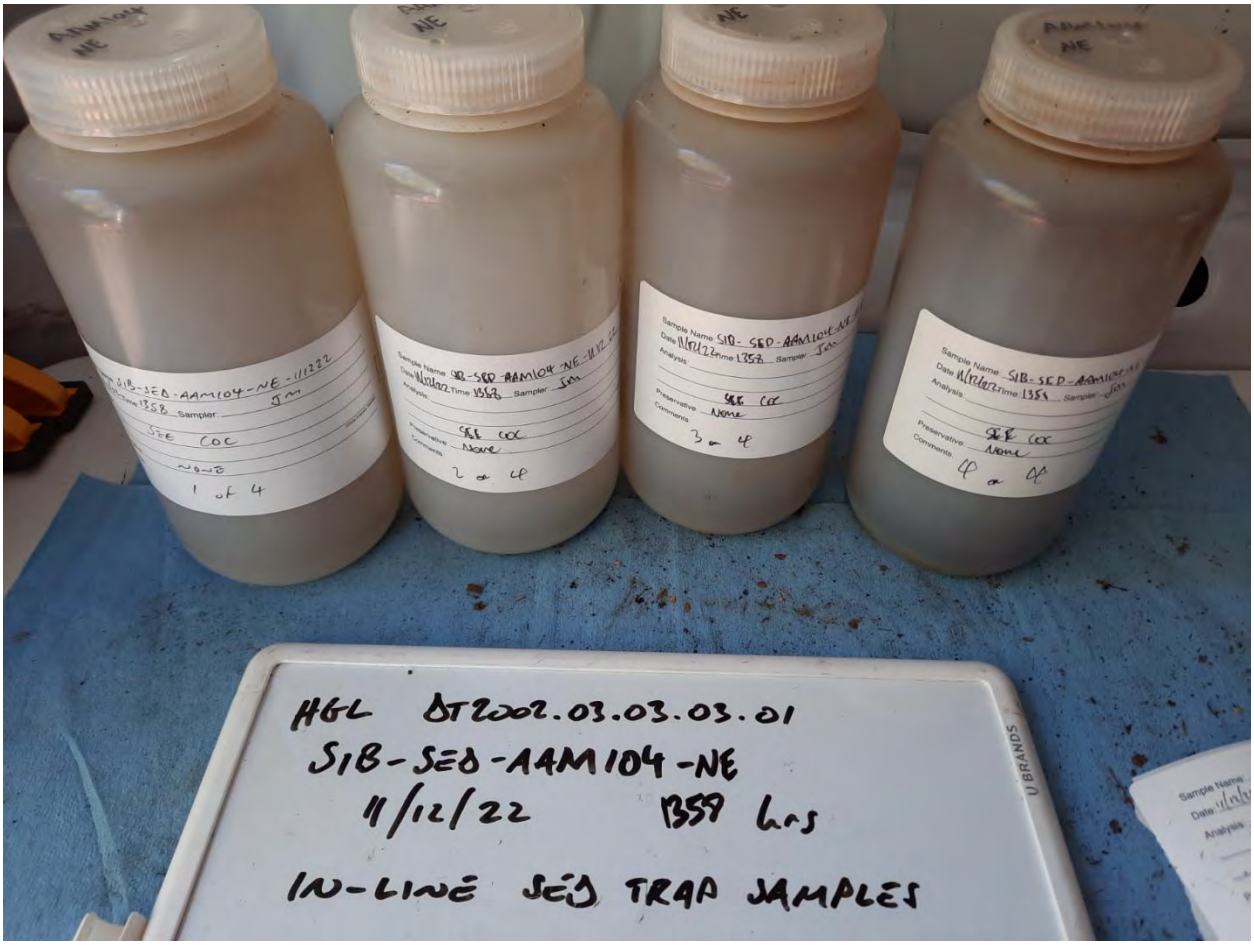
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SIB-STM_AAM104-NW_0204



SIB-STM_AAM104-NW_0202



SIB-STM_AAM104-NE_141236



SIB-STM_AAM104-NE_0205



SIB-STM_AAM104-NE_0209



SIB-STM_AAM104-NE_0206

DAILY FIELD REPORT

DATE: 11/13/2022
PLANNED ACTIVITY PERIOD: 11/12/2022 to 11/13/2022

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:	Clear						
Temperature:	49°F						
Wind:	E 6mph						
Humidity:	51%						

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Fergus Moore (Orbislogic), Andy Worley, Jake Keller, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, field vehicles, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System Sampling

1) Tailgate safety and daily operations meeting.
2) AAM131 (VIGOR); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks at NW and SE laterals.
3) AND479 (DTNA); CSE. Collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks.
4) AAQ005 (DTNA), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, installed new in-line sediment trap bottles, performed equipment maintenance and performance checks.
5) Process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
6) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – Combative Property Personnel, CSE activities

Problems Encountered/Corrective Action Taken: None.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☒ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)
☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

DAILY QUALITY CONTROL REPORT

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Process and ship samples to ALS Kelso.

Signature: 

Title: Upland Stormwater Evaluation Task Manager

11/13/22 STORMWATER J. Moore

0730: ORBISLOGIC LEAST FLIES VEHICLE, READY FOR STORM-WATER FLOW DATA DOWNLOAD AND IN-LINE SES TRAP BOTTLE COLLECTION.

0800: MOB TO US ECOLOGY TO MEET CONFINES SPACE ENTRY (CSE) TEAM. CONDUCT TAILGATE SAFETY MEETING.

+ ORBIS LOGIC: JOSS MOORE
FERGUS MOORE

US ECOLOGY: ANDY WALKER
SAKE KEMER.
PERRY STANTON
SANJANE CEEZAM

0810: MOB TO VIGOR FACILITY TO ACCESS AAMI31.

0825: AT LOCATION AAMI31, BEGIN CSE AT AAMI31.

11/13/22 STORMWATER J. Moore

DOWNLOAD FLOW DATA AND EXCHANGE INLINE SES TRAP 1L BOTTLES.

+ NOTE: ONLY TRACE SEDIMENT IN 1L POLY BOTTLES AT EACH

0840: COLLECT SAMPLES
SIB-SES-AAMI31-SE-111322

0850: COLLECT SAMPLES
SIB-SES-AAMI31-NW-111322

0910: CSE COMPLETE, US ECOLOGY LEAVE AAMI31, ORBISLOGIC PROCESSES SAMPLES.

0920 ORBISLOGIC COMPLETE AT AAMI31 DEMOB FROM VIGOR - MOB TO STNA.

0950: AT LOCATION ANS479, NO FLOW SENSOR, JUST 4 IN-LINE SOLIDS BOTTLES TO EXCHANGE

11/13/22 STORMWATER J. MOORE

1000 · COLLECT SAMPLES
SIB-ANS479-111322

1015: US ECOLOGY OUT OF ANS-479, DEMOB.

1020: ON LOCATION AT ~~ANS479~~ (SM) AAQ005, BEGIN CSE.
* DOWNLOAD FLOW DATA AND EXCHANGE 1 SET OF IN-LINE SOLIDS SED TRAP BOTTLES.
* NOTE: ONLY TRACE SEDIMENT IN EACH BOTTLE.

1040: COLLECT SAMALE
SIB-~~SED~~-AAQ005-111322

1055: CSE COMPLETE AT AAQ005

1115: US ECOLOGY DEMOB FROM SITE.

1145: ORBIS LOGIC DEMOB; ANS PROCESSES SAMPLES AND COMPILE DER

SM

HGL

SAFETY MEETING/TRAINING LOG

- ☑ Tailgate (daily)
- ☑ Activity Hazard Analysis
- ☑ Pre-Task Hazard Analysis (prior to new task or operation)
- ☑ Site Safety Orientation (new personnel)
- ☐ ~~Supervisor~~'s (monthly)
- ☐ ~~Supervisor~~'s (weekly)
- ☐ ~~UXO Awareness~~
- ☐ ~~Asbestos~~ Awareness
- ☐ Health and Safety Plan Addendum: _____
- ☐ ~~Other:~~ ___

Date/Time: 11/13/22 0800 hrs Client: DTNA/VICOR

Location: SWAN ISLAND BASIN, PORTLAND HARBOR Job No.: JT2002-03.03-03.01

Meeting/training conducted by: Joss Moore

Work Activities: STORMWATER SAMPLING AND MAINTENANCE

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCs - STORMWATER

Physical Hazards: CONFINED SPACE ENTRY, ROAD TRAFFIC

Specific Safety Topic(s): CONFINED SPACE OPERATIONS, COMMUNICATION

Specific Training Covered: CSE, SAMPLE HANDLING.

Attendees

Name Printed and Employee Number:	Signature:
Joss Moore	
Regina Moore	
Andy Worley	
BENJAMIN CESSNA	
Perry L Stayton	
JAKOB KELLER	

orbislogic HGL

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 **of** 2

COC Number: 20221113-SIB-ILS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at Kelso**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: In-Line Sediment Trap
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-ILS		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	*Preservatives* # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis N	PCBs (Congeners) (1668) N	Dioxins/Furans (1613B) N	Organochlorine Pesticides (1699M) N	BEHP (8270D-LL) N	Diesel (NWTPHDDx) N	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A) N	Mercury (7471B) N	TOC (9060) N	Moisture Content (D2216) N	Total Solids (SM 2540G) N	Lab Sieve and Homogenization N	Filtered (Y/N)	REMARKS / Lab ID
1	SIB-SED-AAM131-NW-08282022	SEST	C	11/13/2022	08:50	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
4	SIB-SED-AAM131-SE-08282022	SEST	C	11/13/2022	08:40	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
5	SIB-SED-AAQ005-08282022	SEST	C	11/13/2022	10:40	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
6	SIB-SED-AND479-082822022	SEST	C	11/13/2022	10:00	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
7	SIB-SED-AAP957-NW-08272022	SEST	C	11/12/2022	09:25	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
8	SIB-SED-AAP957-SE-08272022	SEST	C	11/12/2022	09:10	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
9	SIB-SED-AAM169-SE-08272022	SEST	C	11/12/2022	11:35	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
10	SIB-SED-AAM169-E-08272022	SEST	C	11/12/2022	11:20	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
11	SIB-SED-AAM169-NW-08272022	SEST	C	11/12/2022	11:45	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below
12	SIB-SED-AAM104-NW-08272022	SEST	C	11/12/2022	13:45	4	X							X	X	X	X	X	X	X	X	X	X	X	X		See notes below

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Joss Moore HGL	11/14/22				

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

ARCHIVE - HOLD FOR HOMOGENIZING INSTRUCTIONS

Before homogenizing the sample, the laboratory will set-seive out all materials greater than 2 mm in diameter, i.e., anything larger than sand. The laboraotry will then homogenize all of the sieved solids from the four sample bottles into a single composite sample per location for analysis of project RPCs. The laboraoty will then run the analysis in the priority listed above based on the volume of materials obtained. Please contact HGL with any questions.

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed: 11/14/2022

orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 2 of 2

COC Number: 20221113-SIB-ILS

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Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT:	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt	**21 calendar days from receipt at Kelso**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: In-Line Sediment Trap
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-ILS		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: PCBs (Congeners) (1668)	Dioxins/Furans (1613B)	Organochlorine Pesticides (1699	BEHP (8270D-LL)	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	TOC (9060)	Moisture Content (D2216)	Total Solids (SM 2540G)	Lab Sieve and Homogenization		Filtered (Y/N)	REMARKS / Lab ID
														N	N	N	N	N	N	N	N	N					
1	SIB-SED-AAM104-SE-08272022	SEST	C	11/12/2022	14:06	4	X							X	X	X	X	X	X	X	X	X	X				See notes below
4	SIB-SED-AAM104-NE-08272022	SEST	C	11/12/2022	13:58	4	X							X	X	X	X	X	X	X	X	X	X				See notes below
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Joss Moore HGL	11/14/22				

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

ARCHIVE - HOLD FOR HOMOGENIZING INSTRUCTIONS

Before homogenizing the sample, the laboratory will set-seive out all materials greater than 2 mm in diameter, i.e., anything larger than sand. The laboraotry will then homogenize all of the sieved solids from the four sample bottles into a single composite sample per location for analysis of project RPCs. The laboraoty will then run the analysis in the priority listed above based on the volume of materials obtained. Please contact HGL with any questions.

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

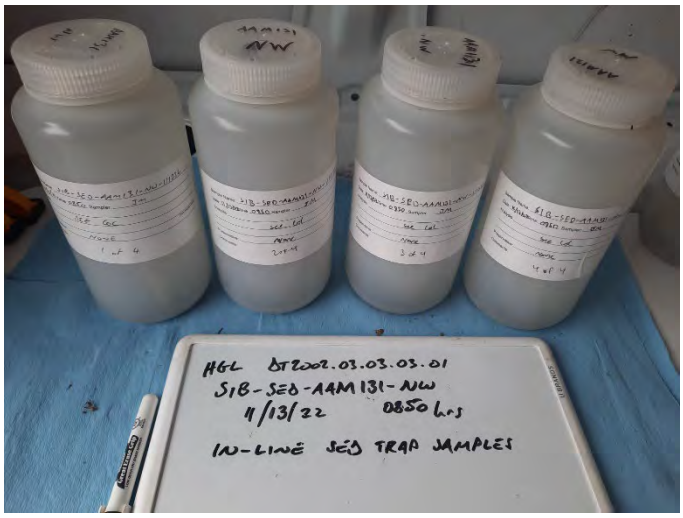
SIGNATURE of SAMPLER

DATE Signed: 11/14/2022

SIB Stormwater Sampling Photo Log

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM_AAM131-SE_090927	JM	In-line sed trap samples AAM131-SE	SE	11/13/2022	840	45.56486	-122.71608
SIB-STM_AAM131-SE_0220	JM	Sample bottles prior to removal AAM131-SE	SE	11/13/2022	830	45.56486	-122.71608
SIB-STM_AAM131-SE_0221	JM	New sample bottles installed AAM131-SE	SE	11/13/2022	835	45.56486	-122.71608
SIB-STM_AAM131-SE_0219	JM	Flow sensor AAM131-SE	SE	11/13/2022	838	45.56486	-122.71608
SIB-STM_AAM131-NW_091049	JM	In-line sed trap samples AAM131-NW	NW	11/13/2022	850	45.56486	-122.71608
SIB-STM_AAM131-NW_0223	JM	Sample bottles prior to removal AAM131-NW	NW	11/13/2022	841	45.56486	-122.71608
SIB-STM_AAM131-NW_0224	JM	New sample bottles installed AAM131-NW	NW	11/13/2022	848	45.56486	-122.71608
SIB-STM_AAM131-NW_0222	JM	Flow sensor AAM131-NW	NW	11/13/2022	849	45.56486	-122.71608
SIB-STM_AAQ005_104250	JM	In-line sed trap samples AAQ005	S	11/13/2022	1040	45.56126	-122.70311
SIB-STM_AAQ005_0233	JM	Sample bottles prior to removal AAQ005	S	11/13/2022	1026	45.56126	-122.70311
SIB-STM_AAQ005_0234	JM	New sample bottles installed AAQ005	S	11/13/2022	1032	45.56126	-122.70311
SIB-STM_AAQ005_0232	JM	Flow sensor AAQ005	S	11/13/2022	1035	45.56126	-122.70311
SIB-STM_AND479_100524	JM	In-line sed trap samples AND479	E	11/13/2022	1000	45.56198	-122.70264
SIB-STM_AND479_0225	JM	Sample bottles prior to removal AND479	E	11/13/2022	948	45.56198	-122.70264
SIB-STM_AND479_0230	JM	New sample bottles installed AND479	E	11/13/2022	951	45.56198	-122.70264

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AAM131-NW



Sample bottles prior to removal AAM131-NW

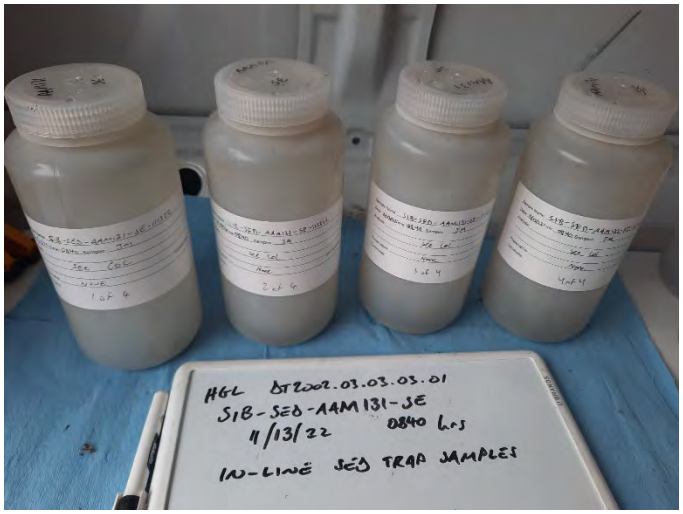


New sample bottles installed AAM131-NW



Flow sensor AAM131-NW

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AAM131-SE



Sample bottles prior to removal AAM131-SE



New sample bottles installed AAM131-SE



Flow sensor AAM131-SE

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AAQ005



Sample bottles prior to removal AAQ005

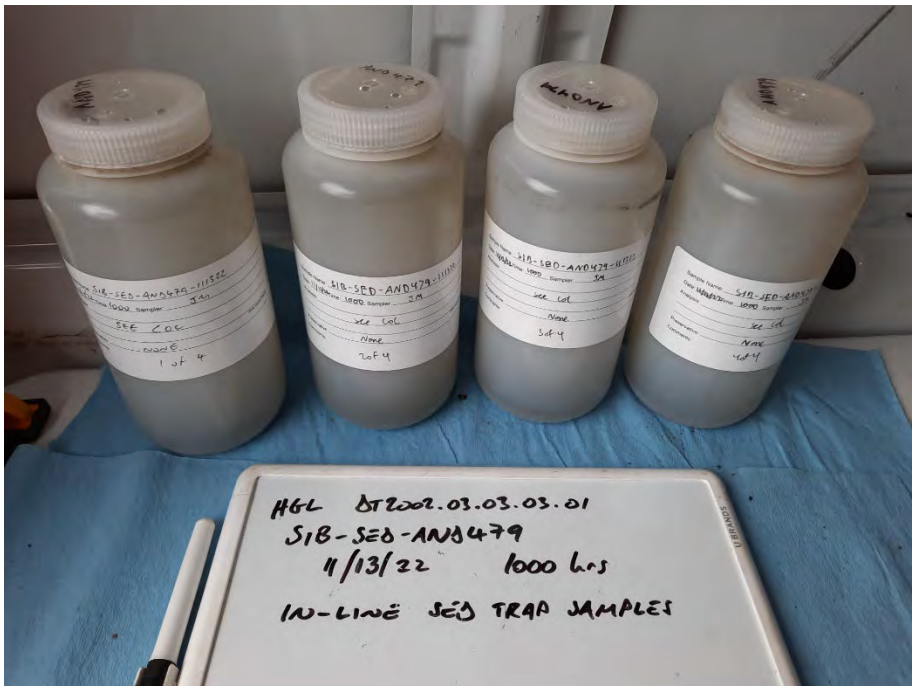


New sample bottles installed AAQ005



Flow sensor AAQ005

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AND479



Sample bottles prior to removal AND479



New sample bottles installed AND479

HGL *Restoring the Environment. Protecting Our Future.*

DAILY FIELD REPORT

DATE: 03/09/2023
PLANNED ACTIVITY PERIOD: 03/09/2023

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:					Rain		
Temperature:					43°F		
Wind:					SW 6mph		
Humidity:					89%		

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Orbislogic, Task FM), Anna St. John (Task FM), Justin Pounds (BH2O), Shawn Hinz, Ed Sloan, Jeff Schut, Mike Duffield, Chad Furulie (Gravity), Katy Martin (TIG oversight), Merrick Johnson (US Ecology vessel capt), Emmy Wrobleski, Eduardo Munoz, Hanmin Wang (Mott MacDonald), Sheila Bradbury, Rebecca Johnson, Tim Hayworth, Bambi Parry, Stephanie Schone, Tim McBain, Tyler Monaghan (Rose City Flagging), Lisa Verzosa, Diane Spanglon (ESS).

Regulatory Oversight: None.

Equipment On Site: Five HVS sampling setups, six ISCO auto samplers, US Ecology runner vessel, field vehicles, Traffic Control Plan (TCP) equipment, tools, Houseless Flyers, first aid kit

Work Performed by PDI Activity:

Stormwater Outfall and Conveyance System HVS & ISCO Sampling

1) **AAM131** (Vigor, no TCP) - pump 229.5 liters over 2.5 hours, collect one **HVS** PUF filter sample and 12 solid fraction pre-filters.
2) **AAQ005** (COP, no TCP) - pump 211.5 liters over 4 hours, collect one **HVS** PUF filter sample and 22 solid fraction pre-filters.
3) **AAM169** (COP, TCP) - pump 262.5 liters over 3 hours, collect one **HVS** PUF filter sample and 32 solid fraction pre-filters.
4) **AAP957** (COP, TCP) - pump 220.5 liters over 3.5 hours, collect one **HVS** PUF filter sample and 18 solid fraction pre-filters.
5) **AAM107** (COP; TCP) - pump 252 liters over 3.5 hours, collect one **HVS** PUF filter sample and 19 solid fraction pre-filters.
6) **WR-198** (USCG, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
7) **WR-186** (Barge Eagle, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
8) **WR-15** (Island Holdings, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
9) **WR-428** (DTNA, upland access) – collect 5-gallon **ISCO** grab sample
10) **WR-34** (POP, shoreline access) – collect 5-gallon **ISCO** grab sample via US Ecology vessel
11) **WR-71** (ATC, upland access) – collect 5-gallon **ISCO** grab sample

Quality Control Activities (including field calibrations): Calibrate field Water Quality instruments, Calibrate HVS flow rates to 1.5 liters/min, SGS laboratory based PUF filter PCDD/F and PCB spike profiling, MS/MSD and QA/QC volumes provided to ALS laboratory on whole water HVS and ISCO samples

Health and Safety Activities: AHAs – Combative Property Personnel, HVS activities, TCP plan review

Problems Encountered/Corrective Action Taken: None

Special Notes: None

DAILY QUALITY CONTROL REPORT

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)

☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)

☒ Calibrations performed (if yes, list above and provide calibration forms)

☒ No unusual events (if yes, describe above in *Special Notes*)

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☒ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Process and relinquish/ship HVS & ISCO water and solids fraction sample sets for laboratory analyses

Signature: 

Title: Upland Stormwater Evaluation Task Manager

DAILY QUALITY CONTROL REPORT



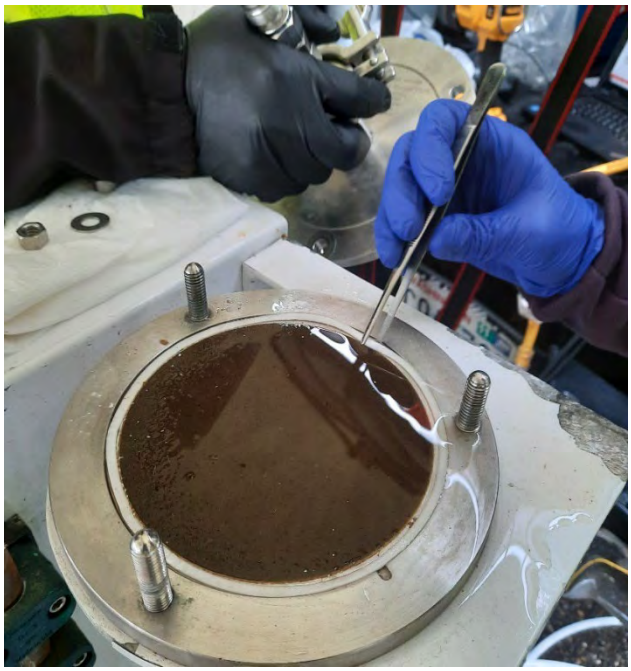
Photograph 1. AAQ005, example HVS mobile field lab setup.



Photograph 2. HVS pump with single PUF filter sealed housing installed.



Photograph 3. Example new pre-filter installed.



Photograph 4. Example used HVS pre-filter being collected



Photograph 5. WR-198 ISCO sampler



Photograph 6. WR-186 ISCO sampler



Photograph 7. WR-15 ISCO sampler



Photograph 8. WR-34 ISCO sampler and catch basin



Photograph 9. WR-71 ISCO sampler and catch basin



Photograph 10. WR-428 ISCO sampler and catch basin

2/9/23 SIB STORMWATER J. MOORE

0800: MOB TO SCAN ISLAND TO BEGIN FIELD EQUIPMENT SETUP FOR HUS AND ISCO SAMPLERS.

1000: ALL SAMPLING STAFF AND FLAGGERS MEET AT SCAN ISLAND FOR TAILGATE MEETING.

* ORBISPHERE - J. MOORE
  BK20 - A. ST. JOHN
  JUSTIN POUNDS
  GRAVITY - S. HUIZ
  C. FOLCHÉ
  E. SLOAN
  M. DUFFIELD
  J. SCHUTT
  MOTT MACDONALD: E. WROBLESKI
  H. WANG
  E. MUNOZ
  TIG: K. MARTIN

3/9/23 SIB STORMWATER J. MOORE

* ROSE CITY FLAGGERS:

1030: ROSE CITY FLAGGERS BEGIN TCP AT AAP957, AAM167 AND AAM107.
GRAVITY BEGIN SETUP OF ALL HUS EQUIPMENT AND MOB TO AAM131 AND AA0005 TO BEGIN SAMPLING WHEN RAIN ARRIVES.

* NOTE: SHOWERS BEGIN AROUND 1100 HRS, SO WHEN CELLS ARE SETUP THEY CAN BEGIN SAMPLING AS LONG AS FLOWS ARE RISING.

1245: ALL THE TCP ARE READY SO ALL HUS SETUPS MOB TO LOCATIONS TO BEGIN SAMPLING WHEN FLOWS BEGIN TO RISE

3/9/23 SIB STORMWATER J. Moore

1430: DEP Biologic and TIC MOB to US Ecology to begin ISCO sample collection at UR-198, UR-186, UR-15 and UR-30. UR-71 can be collected from shore.

1520: Meet US Ecology vessel and load ISCO sampling equipment.

1550: MOB to USEE UR-198

1605: Two 2.5 gal ISCO samples collected from UR-198

1610: MOB to UR-186

1620: On location.

1626: Two 2.5 gallon ISCO samples collected from UR-186

1632: Two 2.5 gallon ISCO samples collected from UR-15

3/9/23 SIB STORMWATER J. Moore

MOB to location UR-30

1653 Collect two 2.5 gallon samples at UR-30.

1700 Demob back to US Ecology to store samples in boat house refrigeration.

1750 Collect 2 x 2.5 gallon jars at UR-71

1820 Collect 2 x 2.5 gallon jars at UR-428.

1830: All samples de-iced at US Ecology boat house freezers.

1850: MOB to AAR857 to check on HVS crews.

1910: All sampling complete. All staff demob and TCP removed.

2000: Offsite

JM

SIB Sediment Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM-HVS_IMG_2703	JM	AAQ005, example HVS mobile field lab setup	NW	3/9/2023	1310	45.56126	-122.70312
SIB-STM-HVS_IMG_2705	JM	HVS pump with single PUF filter sealed housing installed	SE	3/9/2023	1325	45.56126	-122.70312
SIB-STM-HVS_IMG_51051	JM	Example new HVS flat pre-filter.	NW	3/9/2023	1330	45.56638	-122.70969
SIB-STM-HVS_IMG_92226	JM	Example used HVS flat pre-filter being collected	SE	3/9/2023	1342	45.56638	-122.70969
SIB-STM-ISCO_IMG_15148	JM	WR-198 ISCO sampler	SE	3/9/2023	1600	45.57091	-122.72143
SIB-STM-ISCO_IMG_15166	JM	WR-186 outfall	NW	3/9/2023	1624	45.56471	-122.70961
SIB-STM-ISCO_IMG_15278	JM	WR-15 outfall.	SE	3/9/2023	1630	45.56408	-122.70859
SIB-STM-ISCO_IMG_15156	JM	WR-34 ISCO sampler at WR-34 catch basin	SE	3/9/2023	1650	45.56269	-122.71091
SIB-STM-ISCO_IMG_15241	JM	WR-71 ISCO sampler at WR-71 catch basin	NW	3/9/2023	1740	45.56663	-122.71119
SIB-STM-ISCO_IMG_15150	JM	WR-428 ISCO sampler at WR-428 catch basin.	NW	3/9/2023	1810	45.56181	-122.70933

orbislogic HGL HydroGeoLogic, Inc

SGS Wilmington, NC

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 of 1

COC Number: 20230309-SIB-HVS

Company:	HydroGeoLogic, Inc.	Report To:	Andrea Fletcher	Requested Due Date:	Quote Reference:
Address:	6340 Glenwood, Blding 7, Ste. 200	Copy To:	Jeff Gadt	*TAT:	Project Manager: AMY BOEHM (SGS)
	Overland Park, KS 66202	Invoice To:	Jeff Gadt	**21 calendar days from receipt at SGS**	Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024	Fax: 913-317-8860		jgadt@hgl.com		Matrix: HVS
Email Address:	afletcher@hgl.com	Project Name:	HGL-SIB-PDI		Sampling Team Members:
		Project Number:	**DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: PCBs (Congeners) (1668)	Dioxins/Furans (1613B)	Organochlorine Pesticides (1699M)	BEHP (8270D-LL)	SVOCs	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	TOC (9060)	Moisture Content (D2216)	Total Solids (SM 2540G)			Filtered (Y/N)	REMARKS / Lab ID
														Y	Y	Y											←	
1	SIB-SE-AAM131-FRONT-030923	ST	C	3/9/2023	1832	2	X							X	X	X												Solids & Pre-Filters
4	SIB-SE-AAQ005-FRONT-030923	ST	C	3/9/2023	1648	2	X							X	X	X												Solids & Pre-Filters
5	SIB-SE-AAM169-FRONT-030923	ST	C	3/9/2023	1617	1	X							X	X	X												Solids & Pre-Filters
6	SIB-SE-AAM107-FRONT-030923	ST	C	3/9/2023	1731	1	X							X	X	X												Solids & Pre-Filters
7	SIB-SE-AAP957-FRONT-030923	ST	C	3/9/2023	1903	1	X							X	X	X												Solids & Pre-Filters
8	SIB-SW-AAM131-BACK-030923	ST	C	3/9/2023	1832	1	X							X	X	X												PUF
9	SIB-SW-AAQ005-BACK-030923	ST	C	3/9/2023	1648	1	X							X	X	X												PUF
10	SIB-SW-AAM169-BACK-030923	ST	C	3/9/2023	1617	1	X							X	X	X												PUF
11	SIB-SW-AAM107-BACK-030923	ST	C	3/9/2023	1731	1	X							X	X	X												PUF
12	SIB-SW-AAP957-BACK-030923	ST	C	3/9/2023	1903	1	X							X	X	X												PUF

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Joss Moore HGL/Orbislogic					

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed:

orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 **of** 3

COC Number: 20230309-SIB-HVS

Company:	HydroGeoLogic, Inc.	Report To:	Andrea Fletcher	Requested Due Date:	Quote Reference:
Address:	6340 Glenwood, Blding 7, Ste. 200	Copy To:	Jeff Gadt	*TAT: **21 calendar days from receipt at Kelso**	Project Manager:
	Overland Park, KS 66202	Invoice To:	Jeff Gadt		Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024	Fax: 913-317-8860		jgadt@hgl.com		Matrix: HVS
Email Address:	afletcher@hgl.com	Project Name:	HGL-SIB-PDI		Sampling Team Members:
		Project Number:	**DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: BEHP (8270D-LL)	SVOCs	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-LL)	Tributyltin	TSS (SM 2540D)	TOC (9060)	Moisture Content (D2216)	TS (SM 2540G)	Dissolved Organic Carbon (SM 5310C)	Lab Sieve and Homogenization	Filtered (Y/N)	REMARKS / Lab ID
														N		N	N	N	N	N	N	N					
1	SIB-SW-AAM131-CAR-030923	ST	C	3/9/2023	1832	1	X														X	X					Run on carboy prior to cetrifuge
4	SIB-SW-AAQ005-CAR-030923	ST	C	3/9/2023	1648	1	X														X	X					Run on carboy prior to cetrifuge
5	SIB-SW-AAM169-CAR-030923	ST	C	3/9/2023	1617	1	X														X	X					Run on carboy prior to cetrifuge
6	SIB-SW-AAM107-CAR-030923	ST	C	3/9/2023	1731	1	X														X	X					Run on carboy prior to cetrifuge
7	SIB-SW-AAP957-CAR-030923	ST	C	3/9/2023	1903	1	X														X	X					Run on carboy prior to cetrifuge
8	SIB-SW-WR34-030923	ST	C	3/9/2023	1832	1	X							X	X	X	X	X	X	X	X				X		Centrifuged Carboy Water
9	SIB-SW-AAQ005-CAR-ST-030923	ST	C	3/9/2023	1648	1	X							X	X	X	X	X	X	X	X				X		Centrifuged Carboy Water
10	SIB-SW-AAM169-CAR-ST-030923	ST	C	3/9/2023	1617	1	X							X	X	X	X	X	X	X	X				X		Centrifuged Carboy Water
11	SIB-SW-AAM107-CAR-ST-030923	ST	C	3/9/2023	1731	1	X							X	X	X	X	X	X	X	X				X		Centrifuged Carboy Water
12	SIB-SW-AAP957-CAR-ST-030923	ST	C	3/9/2023	1903	1	X							X	X	X	X	X	X	X	X				X		Centrifuged Carboy Water

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Joss Moore HGL/Orbislogic					

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed:

Additional Comments:

orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 **of** 3

COC Number: 20230309-SIB-HVS

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT: **21 calendar days from receipt at Kelso**	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt		Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: HVS
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: BEHP (8270D-LL)	SVOCs	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-ULL)	Tributyltin	Herbicides	TOC (9060)	Moisture Content (D2216)	TS (SM 2540G)	Dissolved Organic Carbon (SM 5310C)	Lab Sieve and Homogenization	Filtered (Y/N)	REMARKS / Lab ID
1	SIB-SW-AAM131-CAR-SE-030923	ST	C	3/9/2023	1832	1	X							X	X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
4	SIB-SW-AAQ005-CAR-SE-030923	ST	C	3/9/2023	1648	1	X							X	X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
5	SIB-SW-AAM169-CAR-SE-030923	ST	C	3/9/2023	1617	1	X							X	X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
6	SIB-SW-AAM107-CAR-SE-030923	ST	C	3/9/2023	1731	1	X							X	X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
7	SIB-SW-AAP957-CAR-SE-030923	ST	C	3/9/2023	1903	1	X							X	X	X	X	X	X	X	X	X	X	X				Cetrifuged Solids
8	SIB-SW-WR34-030923																											
9																												
10																												
11																												
12																												

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS		ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
						Joss Moore HGL/Orbislogic					

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed:

Additional Comments:

orbislogic HGL HydroGeoLogic, Inc

ALS Kelso, WA

CHAIN-OF-CUSTODY / Analytical Request Document

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COC Number: 20230309-SIB-ISCO

Company: HydroGeoLogic, Inc.	Report To: Andrea Fletcher	Requested Due Date:	Quote Reference:
Address: 6340 Glenwood, Blding 7, Ste. 200	Copy To: Jeff Gadt	*TAT: **21 calendar days from receipt at Kelso**	Project Manager:
Overland Park, KS 66202	Invoice To: Jeff Gadt		Project #: **DT2002.03.03.03.01**
Phone: 913-488-0024 Fax: 913-317-8860	jgadt@hgl.com		Matrix: ISCO
Email Address: afletcher@hgl.com	Project Name: HGL-SIB-PDI		Sampling Team Members:
	Project Number: **DT2002.03.03.03.01**	State Location: OR	Orbislogic: 503-320-1796

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	SW
Wastewater	WW
Groundwater	GW
Stormwater	ST

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	*Preservatives* # Containers	Unpreserved	Deionized water	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis N		N	N	N	N	N	N	N				Filtered (Y/N)
														BEHP (8270D-LL)	SVOCs	Diesel (NWTPH0Dx)	Total Metals (As, Cd, Cr, Cu, Pb, Zn) (6020A)	Mercury (7471B)	PAHs (8270D-LL)	Tributyltin	TSS (SM 2540D)	TOC (9060)	Herbicide	Pesticide	Dissolved Organic Carbon (SM 5310C)	* PCB	REMARKS / Lab ID
1	SIB-SW-WR198-030923	ST	G	3/9/2023	1605	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
4	SIB-SW-WR186-030923	ST	G	3/9/2023	1626	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
5	SIB-SW-WR15-030923	ST	G	3/9/2023	1632	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
6	SIB-SW-WR428-030923	ST	G	3/9/2023	1820	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
7	SIB-SW-WR71-030923	ST	G	3/9/2023	1750	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
8	SIB-SW-WR34-030923	ST	G	3/9/2023	1653	2	X							X	X	X	X	X	X	X	X	X	X	X	X	X	Centrifuge
9																											
10																											
11																											
12																											

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Joss Moore HGL/Orbislogic					

SAMPLE CONDITION: **SAMPLE NOTES:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joss Moore (Orbislogic)

SIGNATURE of SAMPLER

DATE Signed:

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [ ] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [x] Supervisor's (monthly)
- [ ] ~~Supervisor's~~ (weekly)
- [ ] ~~UXO~~ Awareness
- [ ] ~~Asbestos~~ Awareness
- [ ] ~~Health~~ and Safety Plan Addendum: _____
- [ ] ~~Other:~~ ___

Date/Time: 3/9/2023 1000 hrs Client: STNA / ULGSR

Location: SUAN ISLAND, PORTLAND HARBOR Job No.: DT2002-07-03.03.01

Meeting/training conducted by: Joss Moore 3/9/23

Work Activities: HUS + ISCO STORMWATER SAMPLING.

Safety / Training Topics Presented

Chemical Hazards: PROJECT COCS - STORMWATER.

Physical Hazards: PUBLIC ROADS, OPEN VAULTS,

Specific Safety Topic(s): TRAFFIC CONTROL - BUDDY SYSTEM.

Specific Training Covered: TCPs

Attendees Tyler Monaghan TM

Name Printed and Employee Number:	Signature:
Sheila Bradbury	
Rebecca Johnson	
Tim Hayworth	
Bambi Parry	
Diane Spangler	
Stephanie Schoone	
Tim McBair TM	
Lisa Verzosa ESS	

Specific Training Covered: _____

Attendees

Name Printed and Employee Number:	Signature:
Shaun Hintz - Grav. ip GVAV	
Diane Spangler ESS	
Hannah Wong MM	
Emmy WROBLESKI MM	
Katy Martin TTG	
Chad Fordie GVAV	

PRINTED NAME	COMPANY.
ANNA ST JOHN	BRIDGEWATER GROUP
Justin Pounds	Bridgewater group
Ed	GRAVITY

Calibration Report

Last Calibration Time: 9/14/2022 8:15:31 AM

Calibration Start Time: 2/19/2023 4:44:42 PM

Calibration End Time: 2/19/2023 5:18:11 PM

Parameter: Depth (m)

Instrument:

Type: EXO1

Name: Sonde 13M101806

Serial Number: 13M101806

Firmware Version: 1.0.73

Sensor:

Type: Depth

Serial Number: 13L101412

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: -0.236 m

Post Calibration Value: 0.000 m

Raw Calibration Value: 0.000 m

Temperature: 17.553 °C

Standard Value: 0.000 m

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:15:31 AM
Calibration Start Time: 2/19/2023 4:44:42 PM
Calibration End Time: 2/19/2023 5:18:11 PM

Parameter: DO (% Sat)

Instrument:

Type: EXO1

Name: Sonde 13M101806

Serial Number: 13M101806

Firmware Version: 1.0.73

Sensor:

Type: DO

Serial Number: 12E101787

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

DO Cap Serial Number: 19K105053

DO Cap Replacement Date: 12/23/2019

DO Gain: 1.00

DO (mg/L): 9.27 mg/L

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 102.3 % Sat

Post Calibration Value: 100.0 % Sat

Raw Calibration Value: 0.0 % Sat

Temperature: 17.414 °C **Standard**

Value: 100.0 % Sat

Is Stable: True

Barometer: 760.0 mmHg

Calibration Report

Last Calibration Time: 9/14/2022 8:23:33 AM
Calibration Start Time: 2/19/2023 4:56:12 PM
Calibration End Time: 2/19/2023 5:31:18 PM

Parameter: Depth (m)

Instrument:

Type: EXO1

Name: Sonde 14M101278

Serial Number: 14M101278

Firmware Version: 1.0.73

Sensor:

Type: Depth

Serial Number: 14M100714

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: -0.288 m

Post Calibration Value: 0.000 m

Raw Calibration Value: 0.000 m

Temperature: 17.943 °C

Standard Value: 0.000 m

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:23:33 AM
Calibration Start Time: 2/19/2023 4:56:12 PM
Calibration End Time: 2/19/2023 5:31:18 PM

Parameter: DO (% Sat)

Instrument:

Type: EXO1

Name: Sonde 14M101278

Serial Number: 14M101278

Firmware Version: 1.0.73

Sensor:

Type: DO

Serial Number: 16F100510

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

DO Cap Serial Number: 19K105055

DO Cap Replacement Date: 12/23/2019

DO Gain: 1.11

DO (mg/L): 9.33 mg/L

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 100.58%

Sat **Post Calibration Value:** 99.9 %

Sat **Raw Calibration Value:** 0.0 %

Sat **Temperature:** 17.987 °C

Standard Value: 100.0 % Sat

Is Stable: True

Barometer: 760.0 mmHg

Calibration Report

Last Calibration Time: 9/14/2022 8:42:26 AM
Calibration Start Time: 2/19/2023 5:16:22 PM
Calibration End Time: 2/19/2023 5:44:29 PM

Parameter: Depth (m)

Instrument:

Type: EXO1

Name: Sonde 13D101540

Serial Number: 13D101540

Firmware Version: 1.0.83

Sensor:

Type: Depth

Serial Number: 13C102111

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: -0.120 m

Post Calibration Value: 0.000 m

Raw Calibration Value: 0.000 m

Temperature: 17.770 °C

Standard Value: 0.000 m

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:42:26 AM
Calibration Start Time: 2/19/2023 5:16:22 PM
Calibration End Time: 2/19/2023 5:44:29 PM

Parameter: DO (% Sat)

Instrument:

Type: EXO1

Name: Sonde 13D101540

Serial Number: 13D101540

Firmware Version: 1.0.83

Sensor:

Type: DO

Serial Number: 19H103201

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

DO Cap Serial Number: 19G102870

DO Cap Replacement Date: 8/22/2019

DO Gain: 0.97

DO (mg/L): 9.31 mg/L

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 103.8 % Sat

Post Calibration Value: 100.0 % Sat

Raw Calibration Value: 0.0 % Sat

Temperature: 17.911 °C **Standard**

Value: 100.0 % Sat

Is Stable: True

Barometer: 760.0 mmHg

Calibration Report

Last Calibration Time: 9/14/2022 8:15:31 AM
Calibration Start Time: 2/19/2023 4:44:42 PM
Calibration End Time: 2/19/2023 5:18:11 PM

Parameter: Sp Cond (µS/cm)

Instrument:

Type: EXO1

Name: Sonde 13M101806

Serial Number: 13M101806

Firmware Version: 1.0.73

Sensor:

Type: Conductivity

Serial Number: 18F100487

Firmware Version: 3.0.5

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

Cell Constant: 5.82

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 1244.2 µS/cm

Post Calibration Value: 1412.1 µS/cm

Raw Calibration Value: 0.0 µS/cm

Temperature: 17.663 °C

Standard Value: 1413.0 µS/cm

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:42:26 AM
Calibration Start Time: 2/19/2023 5:16:22 PM
Calibration End Time: 2/19/2023 5:44:29 PM

Parameter: Sp Cond (µS/cm)

Instrument:

Type: EXO1

Name: Sonde 13D101540

Serial Number: 13D101540

Firmware Version: 1.0.83

Sensor:

Type: Conductivity

Serial Number: 20C200425

Firmware Version: 3.0.5

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

Cell Constant: 5.78

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 1240.6 µS/cm

Post Calibration Value: 1413.1 µS/cm

Raw Calibration Value: 0.0 µS/cm

Temperature: 17.459 °C

Standard Value: 1413.0 µS/cm

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:23:33 AM
Calibration Start Time: 2/19/2023 4:56:12 PM
Calibration End Time: 2/19/2023 5:31:18 PM

Parameter: Sp Cond (µS/cm)

Instrument:

Type: EXO1

Name: Sonde 14M101278

Serial Number: 14M101278

Firmware Version: 1.0.73

Sensor:

Type: Conductivity

Serial Number: 16C103710

Firmware Version: 3.0.5

Status: Completed

Technician: <Unknown>

QC Score: Good

Sensor Specific

Cell Constant: 5.71

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 1355.2 µS/cm

Post Calibration Value: 1413.3 µS/cm

Raw Calibration Value: 0.0 µS/cm

Temperature: 17.414 °C

Standard Value: 1413.0 µS/cm

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:15:31 AM
Calibration Start Time: 2/19/2023 4:44:42 PM
Calibration End Time: 2/19/2023 5:18:11 PM

Parameter: pH

Instrument:

Type: EXO1

Name: Sonde 13M101806

Serial Number: 13M101806

Firmware Version: 1.0.73

Sensor:

Type: pH

Serial Number: 19L103304

Firmware Version: 3.0.0

Status: Completed With Warnings

Technician: <Unknown>

QC Score: Warning

Sensor Specific

pH Range: 7.00 pH - 10.00 pH

Delta Slope 158.2 mV

mV per Decade 52.73

Sensor Module Replacement Date: <Unknown>

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 7.22 pH

Post Calibration Value: 7.00 pH

Raw Calibration Value: -37.5 mV

Temperature: 17.750 °C

Standard Value: 7.00 pH

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 10.80 pH

Post Calibration Value: 10.00 pH

Raw Calibration Value: -195.7 mV

Temperature: 17.272 °C **Standard**

Value: 10.00 pH

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:42:26 AM
Calibration Start Time: 2/19/2023 5:16:22 PM
Calibration End Time: 2/19/2023 5:44:29 PM

Parameter: pH

Instrument:

Type: EXO1

Name: Sonde 13D101540

Serial Number: 13D101540

Firmware Version: 1.0.83

Sensor:

Type: pH

Serial Number: 15A100907

Firmware Version: 3.0.0

Status: Completed With Warnings

Technician: <Unknown>

QC Score: Bad

Sensor Specific

pH Range: 7.00 pH - 10.00 pH

Delta Slope 106.4 mV

mV per Decade 35.47

Sensor Module Replacement Date: <Unknown>

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 9.41 pH

Post Calibration Value: 7.00 pH

Raw Calibration Value: -321.2 mV

Temperature: 17.681 °C

Standard Value: 7.00 pH

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 11.23 pH

Post Calibration Value: 10.00 pH

Raw Calibration Value: -427.6 mV

Temperature: 17.084 °C **Standard**

Value: 10.00 pH

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:23:33 AM
Calibration Start Time: 2/19/2023 4:56:12 PM
Calibration End Time: 2/19/2023 5:31:18 PM

Parameter: pH

Instrument:

Type: EXO1

Name: Sonde 14M101278

Serial Number: 14M101278

Firmware Version: 1.0.73

Sensor:

Type: pH/ORP

Serial Number: 14C101265

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Warning

Sensor Specific

pH Range: 7.00 pH - 10.00 pH

Delta Slope 153.5 mV

mV per Decade 51.18

Sensor Module Replacement Date: <Unknown>

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 7.22 pH

Post Calibration Value: 7.00 pH

Raw Calibration Value: -32.5 mV

Temperature: 17.628 °C

Standard Value: 7.00 pH

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 10.44 pH

Post Calibration Value: 10.00 pH

Raw Calibration Value: -186.0 mV

Temperature: 17.935 °C

Standard Value: 10.00 pH

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:42:26 AM
Calibration Start Time: 2/19/2023 5:16:22 PM
Calibration End Time: 2/19/2023 5:44:29 PM

Parameter: Turbidity (FNU)

Instrument:

Type: EXO1

Name: Sonde 13D101540

Serial Number: 13D101540

Firmware Version: 1.0.83

Sensor:

Type: Turbidity

Serial Number: 13M101040

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Warning

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: -0.87 FNU

Post Calibration Value: 0.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.143 °C

Standard Value: 0.00 FNU

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 37.46 FNU

Post Calibration Value: 40.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.155 °C **Standard**

Value: 40.00 FNU

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:23:33 AM
Calibration Start Time: 2/19/2023 4:56:12 PM
Calibration End Time: 2/19/2023 5:31:18 PM

Parameter: Turbidity (FNU)

Instrument:

Type: EXO1

Name: Sonde 14M101278

Serial Number: 14M101278

Firmware Version: 1.0.73

Sensor:

Type: Turbidity

Serial Number: 15A100311

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Warning

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 0.17 FNU

Post Calibration Value: 0.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.678 °C

Standard Value: 0.00 FNU

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 38.55 FNU

Post Calibration Value: 40.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.935 °C **Standard**

Value: 40.00 FNU

Is Stable: True

Calibration Report

Last Calibration Time: 9/14/2022 8:15:31 AM
Calibration Start Time: 2/19/2023 4:44:42 PM
Calibration End Time: 2/19/2023 5:18:11 PM

Parameter: Turbidity (FNU)

Instrument:

Type: EXO1

Name: Sonde 13M101806

Serial Number: 13M101806

Firmware Version: 1.0.73

Sensor:

Type: Turbidity

Serial Number: 19G100114

Firmware Version: 3.0.0

Status: Completed

Technician: <Unknown>

QC Score: Warning

Notes:

Calibration Points:

Calibration Point #1:

Pre Calibration Value: 0.45 FNU

Post Calibration Value: 0.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.569 °C

Standard Value: 0.00 FNU

Is Stable: True

Calibration Point #2:

Pre Calibration Value: 36.40 FNU

Post Calibration Value: 40.00 FNU

Raw Calibration Value: 0.00 FNU

Temperature: 17.625 °C **Standard**

Value: 40.00 FNU

Is Stable: True

FIELD ENVIRONMENTAL INSTRUMENTS, INC.
www.fieldenvironmental.com
301 Brushton Ave
Suite A
Pittsburgh, PA 15221
Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616

AquaRead Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25C	8301162	1/24/2025	7.26	7.00	(6.86 to 7.14)
			pH mV value	-12.6	(0 mV +/- 50mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 4 @ 25C	8206164	6/21/2024	3.97	4.01	(3.92 to 4.08)
			PH Slope (mV)	52.40	> 45 mV

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 10 @ 25C	M206-10	7/27/2024	10.33	10.01	(9.80 to 10.20)
			PH Slope (mV)	64.10	> 45 mV

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
Conductivity	8207533	8/11/2024	1.672	1.409	(1.338 to 1.479)

Dissolved Oxygen

	Pre-Cal Reading	Post-Cal Reading	
100% Saturation	8.22	8.53	mg/L
			Acceptable Range
Gain		1.00	Galvanic > 20 (0.8-1.5 ODO)

Check Standard	Temp °C	Relative Reading	Acceptable Range
ORP	19.6		(+/- 20mV from the solution
		220.0	mV value)
	mV Offset	8.3	(+/- 100mV)

Turbidity	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
0 NTU	679.0	0.0	+/- 10%
1000 NTU	1347.0	1000.0	+/- 10%

Model	AquaRead AP2000D
Cable Length	3 M
Sonde SN	91767
Handheld SN	103090720
Barcode	U10169X
Order #	511580

Calibrated By: Sam Remis

Date of Calibration: 3/7/2023

*Solutions provided by LabChem (412-826-5230)

All calibrations performed by FEI conform to manufacturer's specifications. Please report any issues within 24 hours of receiving equipment.
All calibration solutions used are traceable to NIST. Additional documentation is available upon request.

FIELD ENVIRONMENTAL INSTRUMENTS, INC.
www.fieldenvironmental.com
301 Brushton Ave
Suite A
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Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616

AquaRead Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25C	8301162	1/24/2025	7.21	7.00	(6.86 to 7.14)
			pH mV value	-46.4	(0 mV +/- 50mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 4 @ 25C	8206164	6/21/2024	3.97	4.01	(3.92 to 4.08)
			PH Slope (mV)	48.20	> 45 mV

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 10 @ 25C	M206-10	7/27/2024	10.20	10.01	(9.80 to 10.20)
			PH Slope (mV)	52.20	> 45 mV

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
Conductivity	8207533	8/11/2024	1.694	1.409	(1.338 to 1.479)

Dissolved Oxygen

	Pre-Cal Reading	Post-Cal Reading	
100% Saturation	8.25	8.60	mg/L
			Acceptable Range
Gain		1.00	Galvanic > 20 (0.8-1.5 ODO)

Check Standard	Temp °C	Relative Reading	Acceptable Range
ORP	21.6		(+/- 20mV from the solution
		220.0	mV value)
	mV Offset	-10.4	(+/- 100mV)

Turbidity	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
0 NTU	325.0	0.0	+/- 10%
1000 NTU	1299.0	1000.0	+/- 10%

Model	AquaRead AP2000D
Cable Length	3 M
Sonde SN	102390527
Handheld SN	111600
Barcode	U91850X
Order #	511580

Calibrated By: Sam Remis

Date of Calibration: 3/7/2023

*Solutions provided by LabChem (412-826-5230)

All calibrations performed by FEI conform to manufacturer's specifications. Please report any issues within 24 hours of receiving equipment.
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DAILY FIELD REPORT

DATE: 06/17/2023
PLANNED ACTIVITY PERIOD: 06/17/2023 to 06/18/2023

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:							Clear
Temperature:							68°F
Wind:							SW 2mph
Humidity:							44%

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Harry Moore (Orbislogic), Andy Worley, Antonio Velasquez, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team), Dillon Sparks, Tim Hayworth (Rose City Flagging).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, TCP lane closure equipment field vehicles, tools, first aid kit

Work Performed by PDI Activity:

City stormwater conveyance system ILS sampling, flow data download and equipment removal

1) Tailgate safety and daily operations meeting, install TCP lane closures
2) AAP957 (COP); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, removed all flow meter and sediment trap equipment in NW and SE laterals.
3) AAM169 (COP); CSE. Downloaded flow data, collected in-line sediment trap sample bottles, collected manual grab sample from AAM169-NW lateral, removed all flow meter and sediment trap equipment in NW, E & SE laterals.
4) AND479 (DTNA); CSE. Collected in-line sediment trap sample bottles, removed all sediment trap equipment.
5) AAQ005 (DTNA), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, removed all flow meter and sediment trap equipment
6) Remove TCP lane closure equipment, process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
7) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calibrate air quality meter for CSE, Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – TCP lane closure, CSE activities

Problems Encountered/Corrective Action Taken: None.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☐ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)

DAILY QUALITY CONTROL REPORT

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☐ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Continue flow data downloads, in-line sediment trap sample bottle collection and equipment removal using CSE procedures at remaining stormwater conveyance locations

Signature: 

Title: Upland Stormwater Evaluation Task Manager

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AAP957-SE.


Flow sensor AAP957-SE.


In-line sediment traps AAP957-SE.


AAP957-SE after in-line sediment trap removal.


AAP957-SE after flow sensor removal.


AAP957-SE after equipment removal and patching

DAILY QUALITY CONTROL REPORT



AAP957 flow sensor units.



Field crew AAP957.



In-line sed trap samples AAP957-NW.



In-line sediment traps at AAP957-NW.

DAILY QUALITY CONTROL REPORT



AAM169-NW after in-line sediment trap removal.



AAP957-NW after flow sensor removal.



AAP957-NW after equipment removal.



Flow sensor units AAM169-NW.

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AAM169-NW.



Field crew AAM169-NW.



Sample bottles prior to removal at AAM169-NW.



Sediment traps AAM169-NW.



AAM169-NW after sediment trap removal.



AAM169-NW after flow sensor removal.

DAILY QUALITY CONTROL REPORT



In-line sed trap samples at AAM169-E.



Sample bottles prior to removal at AAM169-E.



Sediment traps AAM169-E.



Flow sensor AAM169-E.



AAM169-E after all equipment removed.



In-line sediment trap samples at AAM169-SE.

DAILY QUALITY CONTROL REPORT



AAM169 vault after all equipment removed.



Sample bottles prior to removal at AAM169-SE.



Sediment traps AAM169-SE.



AAM169-SE after all equipment removed.

DAILY QUALITY CONTROL REPORT



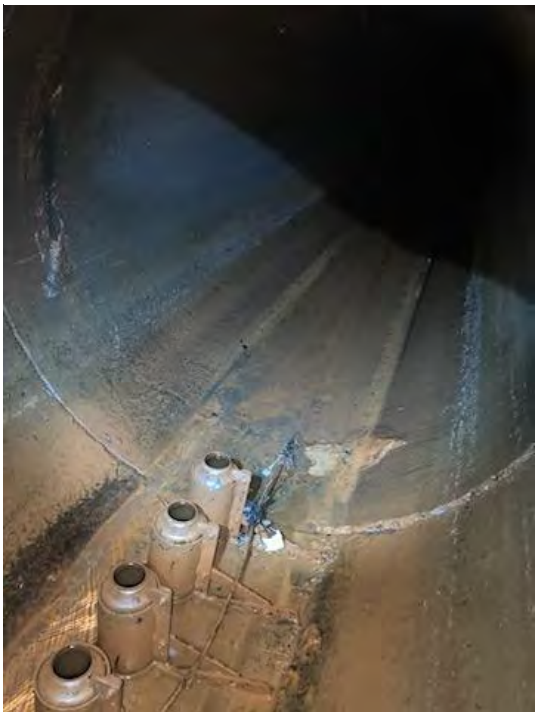
Field crew AAQ005.



In-line sed trap samples AAQ005.



AAQ005 after all equipment removed.



Sample bottles prior to removal at AAQ005.

DAILY QUALITY CONTROL REPORT



Sediment traps AAQ005.



AAQ005 after flow sensor removed.



AAQ005 after sediment traps removed.



AND479 after all equipment removed.

DAILY QUALITY CONTROL REPORT



In-line sed trap samples AND479.



Sample bottles prior to removal AND479.



AND479 after all equipment removed.



Sample bottles prior to removal at AND479.



AND479 after all equipment removed.



AND479 after equipment removal and patching.

SIB Stormwater Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM_AAP957-SE_100259	JM	In-line sed trap samples AAP957-SE	SE	6/17/2023	910	45.56060	-122.70817
SIB-STM_AAP957-SE_7779	JM	Flow sensor AAP957-SE	SE	6/17/2023	915	45.56060	-122.70817
SIB-STM_AAP957-SE_7780	JM	In-line sediment traps AAP957-SE	SE	6/17/2023	920	45.56060	-122.70817
SIB-STM_AAP957-SE_7782	JM	AAP957-SE after in-line sediment trap removal	SE	6/17/2023	925	45.56060	-122.70817
SIB-STM_AAP957-SE_7783	JM	AAP957-SE after flow sensor removal	SE	6/17/2023	930	45.56060	-122.70817
SIB-STM_AAP957-SE_7784	JM	AAP957-SE after equipment removal and patching.	SE	6/17/2023	945	45.56060	-122.70817
SIB-STM_AAP957-085635	JM	AAP957 flow sensor units	SE	6/17/2023	905	45.56060	-122.70817
SIB-STM_AAP957-090327	JM	Field crew AAP957	W	6/17/2023	940	45.56060	-122.70817
SIB-STM_AAP957-093722	JM	In-line sed trap samples AAP957-NW	W	6/17/2023	920	45.56060	-122.70817
SIB-STM_AAP957-NW_7771	JM	Sample bottles prior to removal AAP957-NW	NW	6/17/2023	915	45.56060	-122.70817
SIB-STM_AAP957-NW_7774	JM	AAP957-NW after in-line sediment trap removal	NW	6/17/2023	950	45.56060	-122.70817
SIB-STM_AAP957-NW_7776	JM	AAP957-NW after flow sensor removal	NW	6/17/2023	955	45.56060	-122.70817
SIB-STM_AAP957-101135	JM	AAP957 after equipment removal	W	6/17/2023	1015	45.56060	-122.70817
SIB-STM_AAM169_113622	JM	Flow sensor units AAM169	W	6/17/2023	1145	45.56638	-122.70969
SIB-STM_AAM169-NW_120338	JM	In-line sed trap samples AAM169-NW	NW	6/17/2023	1150	45.56638	-122.70969
SIB-STM_AAM169_130341	JM	Field crew AAM169	W	6/17/2023	1151	45.56638	-122.70969
SIB-STM_AAM169-NW_7785	JM	Sample bottles prior to removal AAM169-NW	NW	6/17/2023	1154	45.56638	-122.70969
SIB-STM_AAM169-NW_7788	JM	Sediment traps AAM169-NW	NW	6/17/2023	1156	45.56638	-122.70969
SIB-STM_AAM169-NW_7791	JM	AAM169-NW after sediment trap removal	NW	6/17/2023	1200	45.56638	-122.70969
SIB-STM_AAM169-NW_7792	JM	AAM169-NW after flow sensor removal	NW	6/17/2023	1205	45.56638	-122.70969
SIB-STM_AAM169-E_124553	JM	In-line sed trap samples AAM169-E	W	6/17/2023	1230	45.56638	-122.70969
SIB-STM_AAM169-E_7794	JM	Sample bottles prior to removal AAM169-E	E	6/17/2023	1220	45.56638	-122.70969
SIB-STM_AAM169-E_7796	JM	Sediment traps AAM169-E	E	6/17/2023	1232	45.56638	-122.70969
SIB-STM_AAM169-E_7797	JM	Flow sensor AAM169-E	E	6/17/2023	1235	45.56638	-122.70969
SIB-STM_AAM169-E_7800	JM	AAM169-E after all equipment removed	E	6/17/2023	1240	45.56638	-122.70969
SIB-STM_AAM169-SE_130922	JM	In-line sediment trap samples AAM169-SE	SE	6/17/2023	1300	45.56638	-122.70969
SIB-STM_AAM169_133028	JM	AAM169 vault after all equipment removed	SE	6/17/2023	1340	45.56638	-122.70969
SIB-STM_AAM169-SE_7801	JM	Sample bottles prior to removal AAM169-SE	SE	6/17/2023	1255	45.56638	-122.70969
SIB-STM_AAM169-SE_7802	JM	Sediment traps AAM169-SE	SE	6/17/2023	1130	45.56638	-122.70969
SIB-STM_AAM169-SE_7804	JM	AAM169-SE after all equipment removed	SE	6/17/2023	1130	45.56638	-122.70969
SIB-STM_AAQ005_145525	JM	Field crew AAQ005	E	6/17/2023	1500	45.56126	-122.70311
SIB-STM_AAQ005_151357	JM	In-line sed trap samples AAQ005	S	6/17/2023	1535	45.56126	-122.70311
SIB-STM_AAQ005_154357	JM	AAQ005 after all equipment removed	S	6/17/2023	1615	45.56126	-122.70311
SIB-STM_AAQ005_7822	JM	Sample bottles prior to removal AAQ005	S	6/17/2023	1524	45.56126	-122.70311
SIB-STM_AAQ005_7823	JM	Sediment traps AAQ005	S	6/17/2023	1528	45.56126	-122.70311
SIB-STM_AAQ005_7824	JM	AAQ005 after flow sensor removed	S	6/17/2023	1600	45.56126	-122.70311
SIB-STM_AAQ005_7827	JM	AAQ005 after sediment traps removed	S	6/17/2023	1604	45.56126	-122.70311
SIB-STM_AND479_135118	JM	AND479 after all equipment removed	E	6/17/2023	1450	45.56198	-122.70264
SIB-STM_AND479_141348	JM	In-line sed trap samples AND479	E	6/17/2023	1438	45.56198	-122.70264
SIB-STM_AND479_7814	JM	Sample bottles prior to removal AND479	E	6/17/2023	1425	45.56198	-122.70264
SIB-STM_AND479_7816	JM	AND479 after all equipment removed	E	6/17/2023	1430	45.56198	-122.70264
SIB-STM_AND479_7817	JM	Sample bottles prior to removall AND479	E	6/17/2023	1426	45.56198	-122.70264
SIB-STM_AND479_7819	JM	AND479 after all equipment removed	E	6/17/2023	1434	45.56198	-122.70264
SIB-STM_AND479_7820	JM	AND479 after equipment removal and patching	E	6/17/2023	1445	45.56198	-122.70264

6/10/23, 3:21 PM

6/17/23 SIB STORMWATER J. MOORE

0730: ORBISLOGIC LOADS EQUIPMENT INTO FLEET VEHICLE. MOB TO SWAN ISLAND.

SCORE: COLLECT FINAL ILS STORMWATER SAMPLE BOTTLES FROM CITY CONVEYANCE AT SWAN ISLAND. COLLECT FINAL FLOW DATA AND REMOVE ALL EQUIPMENT FROM CONVEYANCE SYSTEMS AT ALL LOCATIONS.

0830: MEET RCF FLAGGERS AND WS ECOLOGY CONFINED SPACE CREW FOR TAILGATE SAFETY MEETING.

0845: RCF BEGIN TCP SETUP AT AA1957.

0855: AA1957 TCP READY. ORBISLOGIC AND WS ECOLOGY ENTER AREA AND BEGIN SETUP FOR

6/17/23 SIB STARWATER J. Moore.

CSE.

0910: BEGIN CSE.

0920 REMOVE AAPS57-NW ILS BOTTLES, BEGIN EQUIPMENT REMOVAL. ALL FOUR BOTTLES HAVE <4mm of SEDIMENT AND FULL OF WATER.

0945 REMOVE AAPS57-SE ILS BOTTLES. ALL FULL OF WATER, <2mm SEDIMENT IN EACH.

DOWNLOAD FLOW DATA FROM EACH SENSOR AND REMOVE ALL EQUIPMENT.

1025: CONFIRM SPACE COMPLETE. CLOSE AAPS57 AND BEGIN DEMOB, SAMPLE PROCESSING AND TCP BREAKDOWN.

1035: NEXT LOCATION WILL BE

6/17/23 SIB STARWATER J. Moore

AAM164.

1120 AAM164 TCP SETUP - ORBIMAGE AND GW ECOLOGY ENTER. BEGIN ILS BOTTLE REMOVAL AND FLOW DATA DOWNLOAD. ALSO REMOVE ALL EQUIPMENT.

1145 CSE BEGINS AT AAM164.

1156 AAM164-NW BOTTLES REMOVED. <5mm SEDIMENT, FULL OF WATER AND MODERATE GASEOUS ODOR. (JM)

1230 AAM164-E BOTTLES REMOVED AS WITH NW LOTS OF ALGAE. UP TO 3mm SEDIMENT, BOTTLES FULL OF WATER.

1301 AAM164-SE BOTTLES REMOVED LOTS OF ALGAE. <3mm of SEDIMENT AND FULL OF WATER.

1320: ATTEMPT TO COLLECT MANUAL

6/17/23 SIB SEDIMENT J. MOORE

GRAB SAMPLE of SOLIDS IN BASE of AAM169-NW - NOT ALGAE. USING DEDICATED STAINLESS STEEL SPOON AND 8 oz CLEAN JARS

1345: END CSE, DEMOB FROM AAM169. RCF BREAKDOWN TCP. US ECOLOG AND ORBISLOGIC MOB TO AND479

1400: ON LOCATION AT AND479. ONLY SEDIMENT TRAP - NO FLOW SENSOR TO REMOVE.

1420: BEGIN CSE.

1432: ILS BOTTLES REMOVED. EQUIPMENT REMOVED.

1450: DEMOB FROM AND479. MOB TO AAQ005.

RCF OFFSITE FOR THE DAY

1500: ON LOCATION AT AAQ005

6/17/23 SIB STORMWATER J. MOORE

PREPARE FOR CSE. ONE FLOW SENSOR AND ONE SET of ILS BOTTLES.

1535 AAQ005 ILS BOTTLES COLLECTED, FULL of WATER, COVERED WITH ALGAE, <3 mm SEDIMENT.

1610 EQUIPMENT REMOVED, END CSE OPERATIONS.

1620: US ECOLOG OFFSITE. ORBISLOGIC PROCESSES SAMPLES THEN DEMOB.

US ECOLOG: ANDY WORLEY
CESSAM, SAUSAGE
ANTHONIO VELASQUEZ
PERM STATION

RCF: DILLON SPARKS
TIMOTHY HAYWORTH

ORBISLOGIC: JOSH MOORE, HANNA MOORE

HGL

SAFETY MEETING/TRAINING LOG

- [x] Tailgate (daily)
- [x] Activity Hazard Analysis
- [x] Pre-Task Hazard Analysis (prior to new task or operation)
- [x] Site Safety Orientation (new personnel)
- [ ] ~~Supervisor's~~ (monthly)
- [ ] ~~Supervisor's~~ (weekly)
- [ ] ~~UXO~~ Awareness
- [ ] ~~Asbestos~~ Awareness
- [ ] ~~Health~~ and Safety Plan Addendum: _____
- [ ] ~~Other:~~ ___

Date/Time: 6/17/23 0830 hrs. Client: ATNA / VIGOR

Location: SEVEN OCEANS BASIN PETTUS HARBOR Job No.: 072007-03-03-03-01

Meeting/training conducted by: JOSH MOORE

Work Activities: CONFINED SPACE ENTRY STORMWATER EQUIPMENT REMOB

Safety / Training Topics Presented

Chemical Hazards: PROPER CODE

Physical Hazards: CONFINED SPACE - ROAD TRAFFIC

Specific Safety Topic(s): BUDDY SYSTEM

Specific Training Covered: CONFINED SPACE ENTRY.

Attendees

Name Printed and Employee Number:	Signature:
Helen Moore SANJANE CESSAY	HARASS
Perry L Stayton	Perry L Stayton
Andrew Vilmar	
Andy Worley	
Timothy A Hayworth	Timothy A. Hayworth
Dillon Sparks	Dillon Sparks

DAILY FIELD REPORT

DATE: 06/18/2023
PLANNED ACTIVITY PERIOD: 06/17/2023 to 06/18/2023

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weather:	Cloudy, late showers						
Temperature:	57°F						
Wind:	W 6mph						
Humidity:	74%						

PROJECT: Portland Harbor Superfund Site - Swan Island Basin Project Area
CONTRACT NUMBER: DT2002.03.03.03.01

HGL Staff: None

Teaming Partners/Subcontractors: Joss Moore (Task FM), Fergus Moore (Orbislogic), Andy Worley, Jake Keller, Sanjane Ceesay, Perry Stayton (US Ecology CSE Team), Dillon Sparks, Tim Hayworth (Rose City Flagging).

Regulatory Oversight: None

Equipment On Site: CSE equipment, breathing air quality monitors, TCP lane closure equipment field vehicles, tools, first aid kit

Work Performed by PDI Activity:

City stormwater conveyance system ILS sampling, flow data download and equipment removal, tide gauge data download

1) Tailgate safety and daily operations meeting.
2) AAM131 (VIGOR); Confined space entry (CSE). Downloaded flow data, collected in-line sediment trap sample bottles, removed all flow meter and sediment trap equipment in NW and SE laterals.
3) AAM104 (COP), CSE. Downloaded flow data, collected in-line sediment trap sample bottles, removed all flow meter and sediment trap equipment in NW, NE & SE laterals.
4) Process in-line sediment sample sets and store in US Ecology processing lab refrigerators until ALS courier pickup.
5) Download water logger data from sensor installed at US Ecology dock area.
6) All staff demobilize from site.

Quality Control Activities (including field calibrations): Calibrate air quality meter for CSE, Calculate flow volume checks at each flow sensor location

Health and Safety Activities: AHA – TCP lane closure, CSE activities

Problems Encountered/Corrective Action Taken: None.

Special Notes: None

Other Possible Documentation:

☒ No deviations from the PDI-WP (if yes, describe in *Problems Encountered/Corrective Action Taken*)
☒ Samples collected (if yes, list above and provide sample sheets or spreadsheet of sample details)
☐ No calibrations performed (if yes, list above and provide calibration forms)
☒ No unusual events (if yes, describe above in *Special Notes*)

DAILY QUALITY CONTROL REPORT

☒ Photographs taken (if yes, place jpgs on SP with the details (see Documentation Guidance) in a spreadsheet)

☐ Field Measurements collected (if yes, provide them in *Work Performed by PDI Activity* above or provide a spreadsheet if measurements are numerous)

Planned Activities for the Next Day:

- Process and ship samples to ALS Kelso.

Signature:  **Title**: Upland Stormwater Evaluation Task Manager

DAILY QUALITY CONTROL REPORT



Flow sensor units in AAM104.



Field crew AAM104.



In-line sed trap samples AAM104-NW.

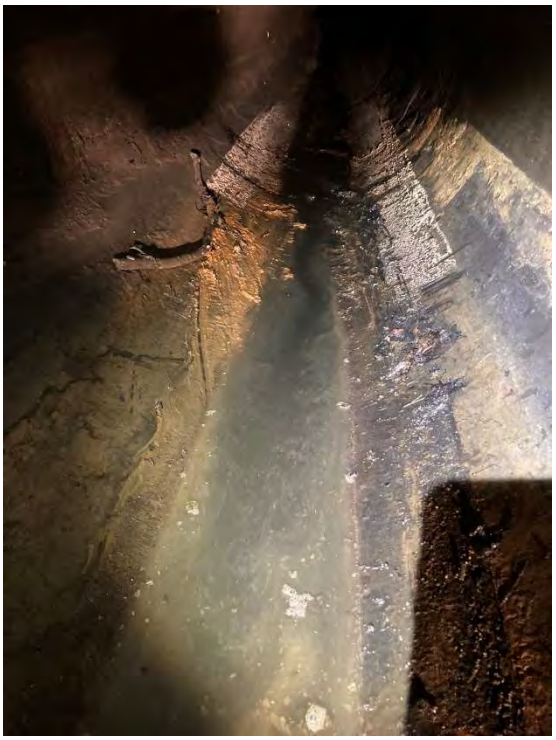


Sample bottles prior to removal at AAM104-NW.

DAILY QUALITY CONTROL REPORT



Sediment traps at AAM104-NW.



AAM104-NW after flow sensor removal.



AAM104-NW after sediment trap removal.



In-line sed trap samples AAM104-NE.

DAILY QUALITY CONTROL REPORT



Sample bottles prior to removal at AAM104-NE.



AAM104-NE after sediment trap removal.



AAM104-NE after flow sensor removal.



In-line sed trap samples AAM104-SE.

DAILY QUALITY CONTROL REPORT



Sample bottles prior to removal at AAM104-SE.



Sediment traps at AAM104-SE.



AAM104-SE after sediment trap removal.



AAM104-SE after flow sensor removal.

DAILY QUALITY CONTROL REPORT



Flow sensor units in AAM131.



Field crew at AAM131.



In-line sed trap samples AAM131-SE.



Sample bottles prior to removal at AAM131-SE.

DAILY QUALITY CONTROL REPORT



Sediment traps at AAM131-SE.



AAM131-SE after equipment removal.



In-line sed trap samples AAM131-NW.

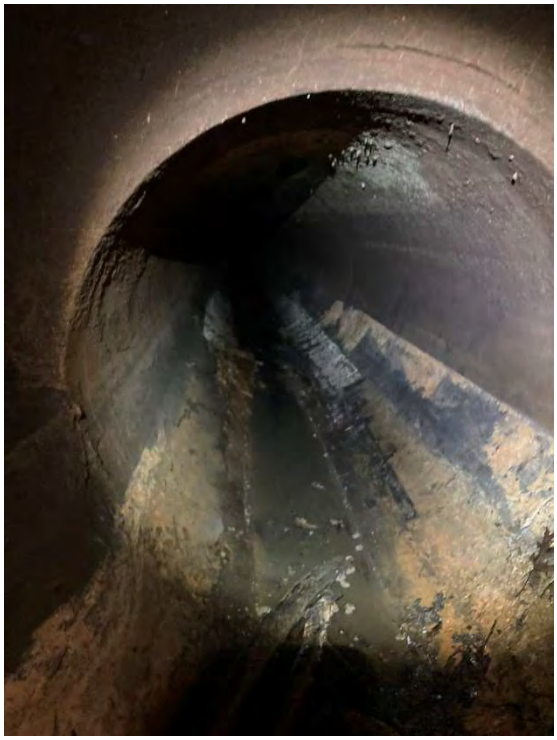


Sample bottles prior to removal at AAM131-NW.

DAILY QUALITY CONTROL REPORT



Flow sensor AAM131-NW.



AAM131-NW after flow sensor removal.



AAM131-NW after sediment trap removal.



AAM131-NW after all equipment removal.

SIB Stormwater Sampling Photo Log

orbislogic

Photo Number (assigned by camera, or 1, 2..etc. but it then needs to be in the filename)	Taken By (initials)	Description	Direction	Date	Time	GPS Coordinates	
						Lat	Long
SIB-STM_AAM104_082015	JM	Flow sensor units in AAM104	NW	6/18/2023	815	45.56949	-122.71410
SIB-STM_AAM104_083946	JM	Field crew AAM104	SW	6/18/2023	820	45.56949	-122.71410
SIB-STM_AAM104-NW_091518	JM	In-line sed trap samples AAM104-NW	NW	6/18/2023	848	45.56949	-122.71410
SIB-STM_AAM104-NW_7831	JM	Sample bottles prior to removal AAM104-NW	NW	6/18/2023	830	45.56949	-122.71410
SIB-STM_AAM104-NW_7833	JM	Sediment traps AAM104-NW	NW	6/18/2023	834	45.56949	-122.71410
SIB-STM_AAM104-NW_7837	JM	AAM104-NW after flow sensor removal	NW	6/18/2023	850	45.56949	-122.71410
SIB-STM_AAM104-NW_7838	JM	AAM104-NW after sediment trap removal	NW	6/18/2023	852	45.56949	-122.71410
SIB-STM_AAM104-NE_091851	JM	In-line sed trap samples AAM104-NE	NE	6/18/2023	905	45.56949	-122.71410
SIB-STM_AAM104-NE_7840	JM	Sample bottles prior to removal AAM104-NE	NE	6/18/2023	900	45.56949	-122.71410
SIB-STM_AAM104-NE_7841	JM	AAM104-NE after sediment trap removal	NE	6/18/2023	918	45.56949	-122.71410
SIB-STM_AAM104-NE_7844	JM	AAM104-NE after flow sensor removal	NE	6/18/2023	920	45.56949	-122.71410
SIB-STM_AAM104-SE_092426	JM	In-line sed trap samples AAM104-SE	W	6/18/2023	925	45.56949	-122.71410
SIB-STM_AAM104-SE_7845	JM	Sample bottles prior to removal AAM104-SE	SE	6/18/2023	923	45.56949	-122.71410
SIB-STM_AAM104-SE_7847	JM	Sediment traps AAM104-SE	SE	6/18/2023	930	45.56949	-122.71410
SIB-STM_AAM104-SE_7848	JM	AAM104-SE after sediment trap removal	SE	6/18/2023	935	45.56949	-122.71410
SIB-STM_AAM104-SE_7849	JM	AAM104-SE after flow sensor removal	SE	6/18/2023	938	45.56949	-122.71410
SIB-STM_AAM131_101744	JM	Flow sensor units in AAM131	SE	6/18/2023	1010	45.56486	-122.71608
SIB-STM_AAM131_103011	JM	Field crew AAM131	SE	6/18/2023	1012	45.56486	-122.71608
SIB-STM_AAM131-SE_104801	JM	In-line sed trap samples AAM131-SE	SE	6/18/2023	1035	45.56486	-122.71608
SIB-STM_AAM131-SE_7858	JM	Sample bottles prior to removal AAM131-SE	SE	6/18/2023	1030	45.56486	-122.71608
SIB-STM_AAM131-SE_7859	JM	Sediment traps AAM131-SE	SE	6/18/2023	1040	45.56486	-122.71608
SIB-STM_AAM131-SE_7861	JM	AAM131-SE after equipment removal	SE	6/18/2023	1050	45.56486	-122.71608
SIB-STM_AAM131-NW_110642	JM	In-line sed trap samples AAM131-NW	W	6/18/2023	1110	45.56486	-122.71608
SIB-STM_AAM131-NW_7862	JM	Sample bottles prior to removal AAM131-NW	NW	6/18/2023	1105	45.56486	-122.71608
SIB-STM_AAM131-NW_7852	JM	Flow sensor AAM131-NW	NW	6/18/2023	1115	45.56486	-122.71608
SIB-STM_AAM131-NW_7854	JM	AAM131-NW after flow sensor removal	NW	6/18/2023	1130	45.56486	-122.71608
SIB-STM_AAM131-NW_7863	JM	AAM131-NW after sediment trap removal	NW	6/18/2023	1135	45.56486	-122.71608
SIB-STM_AAM131_7866	JM	AAM131 after all equipment removal	SE	6/18/2023	1145	45.56486	-122.71608

6/18/23 SIB STORMWATER J. Moore

0700: ORBISLOGIC LOADS EQUIPMENT AND MOBS TO SLAN ISLAND

* SCOPE: TO COMPLETE ILS SAMPLE COLLECTION, FLOW DATA DOWNLOAD, AND EQUIPMENT REMOVAL FROM CITY STORMWATER CONVEYANCE SYSTEMS.

0730: ARRIVE AT SLAN ISLAND, CONDUCT TAILGATE MEETING WITH ROSE CITY FLAGGERS (RCF) AND US ECOLOGY CSE TEAM.

* RCF: DILLON SPARKS
TIMOTHY HAYWORTH

US ECOLOGY: ANDY WORLEY
SANJANE CEESAY
ANTONIO VALASQUEZ
PEARL STANTON

6/18/23 SIB STORMWATER J. Moore

ORBISLOGIC: JOSE MOORE
HARRY MOORE.

0745: RCF BEGIN TCP SESSION AS AAM104.

0815: AAM104 READY, ORBISLOGIC AND US ECOLOGY MOB TO LOCATION AND PREPARE FOR CSE OPERATIONS.

0848: AAM104 - NW ILS BOTTLES COLLECTED, <4mm SEDIMENT, FULL OF WATER, ABUNDANT ALGAE. - REMOVE SES TRAPS AND DOWNLOAD FLOW DATA.

0905 AAM104 - NE ILS BOTTLES COLLECTED, <3mm SEDIMENT, FULL OF WATER, ABUNDANT ALGAE. - REMOVE SES TRAPS AND DOWNLOAD FLOW DATA.

0915: AAM104 - SE ILS BOTTLES

6/18/23 SIB STORMWATER J. MOORE

COLLECTED. <2mm SEDIMENT, FULL OF WATER, NO ALGAE. - REMOVE SED TRAPS AND DOWNLOAD DATA.

0950: COMPLETE AAM104, ALL EQUIPMENT REMOVED. DEMOB TO AAM131 AT VIRGA FACILITY

* RCE DEMOB FROM SIB AFTER TCP COMPLETE BREAKDOWN.

1010: US ECOLOGY AND ORBISLOGIC ARRIVE AT VIRGA FACILITY AAM131. PREPARE FOR CSE - NW + SE LATERALS -

1025: BEGIN CSE.

1035: AAM131-SE ILS BOTTLES COLLECTED, FULL OF WATER <1mm SEDIMENT. - REMOVE SED TRAPS AND DOWNLOAD

6/18/23 SIB STORMWATER J. MOORE

FLOW DATA

1110: AAM131-NW ILS BOTTLES COLLECTED. FULL OF WATER <1mm SEDIMENT. REMOVE SED TRAPS, DOWNLOAD FLOW DATA AND REMOVE ALL EQUIPMENT

1145: ALL EQUIPMENT REMOVED. CSE COMPLETE. DEMOB TO US ECOLOGY TO PROCESS SAMPLES AND DEMOB EQUIPMENT.

1230: US ECOLOGY DEMOB. ORBISLOGIC MOBS TO SWAN ISLAND TIDE GAUGE TO DOWNLOAD DATA.

1400: TIDE DATA DOWNLOAD COMPLETE. ORBISLOGIC BEGINS DEMOBILIZATION of DFRs.

JM

SAFETY MEETING/TRAINING LOG

- ☑ Tailgate (daily)
- ☑ Activity Hazard Analysis
- ☑ Pre-Task Hazard Analysis (prior to new task or operation)
- ☑ Site Safety Orientation (new personnel)
- ☐ ~~Supervisor~~'s (monthly)
- ☐ Supervisor's (weekly)
- ☐ UXO Awareness
- ☐ Asbestos Awareness
- ☐ Health and Safety Plan Addendum: _____
- ☐ Other: ___

Date/Time: 6/13/23 0730 hrs Client: DTNA / USACE

Location: SWAN ISLAND BASIN - PORTLAND HARBOR Job No.: DT2002.03-03-03 01

Meeting/training conducted by: Josh Moore

Work Activities: STORMWATER DATA & SAMPLE COLLECTION, EQUIPMENT REMOVAL

Safety / Training Topics Presented

Chemical Hazards: LOW LEVEL PROJECT COCs - STORMWATER

Physical Hazards: CONFINED SPACE ENTRY, ROAD TRAFFIC

Specific Safety Topic(s): COMMUNICATION, CSE PERMITS

Specific Training Covered: CSE PROCEDURES

Attendees

Name Printed and Employee Number:	Signature:
Hallie Moore	Hallie Moore
Andy Worley	
Perry L Stayton	Perry L Stayton
Sawyer Cessna	
Antoni Vilum	
Dillon Sparks	
Tim Hayworth	Timothy A. Hayworth

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ATTACHMENT A.7
FLOW MONITORING DATA COLLECTION AND EVALUATION

Attachment A.7 Flow Monitoring Data Collection Logs

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ATTACHMENT B
LABORATORY ANALYTICAL RESULTS

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ATTACHMENT B.1
LABORATORY ANALYTICAL RESULTS

Attachment B.1 Laboratory Analytical Results

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ATTACHMENT B.2
DATA VALIDATION REPORTS

Attachment B.2 Data Validation Reports

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ATTACHMENT B.3
ANALYTICAL DATA PACKAGES

Attachment B.3 Analytical Data Packages

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