Lower Duwamish Waterway

NPDES Inspection Sampling Support 2014/2015

Prepared for

Toxics Cleanup Program
Northwest Regional Office
Washington State Department of Ecology
Bellevue, Washington

Prepared by

18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

June 2015

Limitation of Use: Leidos' project activities were restricted to collection and analysis of a limited number of environmental samples and visual observations obtained during the physical site visit, and from records made available by Ecology or third parties during the project. In preparing this report, Leidos has relied on verbal and written information provided by secondary sources and interviews, including information provided by the customer. Leidos has made no independent investigations concerning the accuracy or completeness of the information relied upon. Because the project activities consisted of collecting and evaluating a limited supply of information, Leidos may not have identified all potential items of concern and, therefore, Leidos warrants only that the project activities under this contract have been performed within the parameters and scope communicated by Ecology and reflected in the contract. Maps presented in this report were accurate based on the information available to Leidos at the time that the facility inspections were conducted.

This report is intended to be used in its entirety. Taking or using in any way excerpts from this report are not permitted and any party doing so does so at its own risk.

Table of Contents

Tables

Figures

Attachments

Appendices

Acronyms and Abbreviations

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
2LAET	Second Lowest Apparent Effects Threshold
AET	Apparent Effects Thresholds
AS	Alaska Street Reload & Recycling
BD	Boeing Developmental Center
BEHP	bis(2-ethylhexyl)phthalate
BMP	Best Management Practices
$CaCO_3$	calcium carbonate
CB	catch basin
CC	Chemithon
COC	contaminant of concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CS	Recology CleanScapes
CSL	Cleanup Screening Level
CV	vault
D/F	dioxins/furans
DGPS	differential global positioning system
DOC	dissolved organic carbon
DS	Duwamish Substation (Seattle City Light)
DW	dry weight
Ecology	Washington State Department of Ecology
EMPC	estimated maximum possible concentration
EPA	U.S. Environmental Protection Agency
FD	field duplicate
GPS	global positioning system
HPAH	high molecular weight polycyclic aromatic hydrocarbon
HpCDD	heptachlorodibenzo-p-dioxin
HpCDF	heptachlorodibenzofuran
HxCDD	hexachlorodibenzo-p-dioxin
HxCDF	hexachlorodibenzofuran
IA	Insurance Auto Auctions
ICP-MS	inductively coupled plasma mass spectrometry
ISGP	Industrial Stormwater General Permit
J	estimated result
JN	estimated result
LAET	Lowest Apparent Effects Threshold
LCS/LCSD	laboratory control sample / laboratory control sample duplicate
LDW	Lower Duwamish Waterway
LPAH	low molecular weight polycyclic aromatic hydrocarbon

Acronyms and Abbreviations (Continued)

mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mg-N/L	milligrams per liter as nitrogen
MH	manhole
MS/MSD	matrix spike/matrix spike duplicate
MTCA	Model Toxics Control Act
NA	not applicable
ND, nd	non-detect, nondetect
ng/kg	nanograms per kilogram
ng-TEQ/kg	nanograms toxic equivalency per kilogram
NPDES	National Pollutant Discharge Elimination System
NTR	National Toxics Rule
OC	organic carbon
OCDD	octachlorodibenzo-p-dioxin
OCDF	octachlorodibenzofuran
OF	outfall
OWS	oil/water separator
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PeCDD	pentachlorodibenzo-p-dioxin
PeCDF	pentachlorodibenzofuran
pg/L	picograms per Liter
PS	Puget Sound Coatings
PSEP	Puget Sound Estuary Program
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
RAL	Remedial Action Level
RL	reporting limit
RPD	relative percent difference
SAP	sampling and analysis plan
SC	South Service Center (Seattle City Light)
SCO	Sediment Cleanup Objective
SDL	sample detection limit
SMS	Sediment Management Standards
SP	South Park Marina, sump
SPU	Seattle Public Utilities
ST	Samson Tug & Barge
std units	standard units
SVOC	semivolatile organic compound

Acronyms and Abbreviations (Continued)

SW	stormwater, surface water
SWPPP	Stormwater Pollution Prevention Plan
TCDD	tetrachlorodibenzo-*p*-dioxin
TCDF	tetrachlorodibenzofuran
TEF	toxicity equivalency factor
TEQ	toxic equivalency
TestAmerica	TestAmerica, Inc.
TOC	total organic carbon
TPH	total petroleum hydrocarbon
TS	treatment system
TSS	total suspended solids
U	not detected
U*	flagged as EMPC by the laboratory; this was changed to U (non-detect) during data validation
UG	Unified Grocers
Vista	Vista Analytical Laboratory
VOC	volatile organic compound
WAC	Washington Administrative Code
WM	Waste Management
WQC	water quality criteria for toxic substances
WQS	Water Quality Standards
WW	wet weight

This page intentionally left blank.

1.0 Introduction

The Lower Duwamish Waterway (LDW) Superfund Site is an approximately 5-mile long portion of the waterway extending from the southern tip of Harbor Island to just south of the Norfolk Combined Sewer Overflow. The LDW discharges into Elliott Bay in Puget Sound, Seattle, Washington. The Washington State Department of Ecology (Ecology) is leading the efforts to identify and control sources of sediment pollution to the LDW. Stormwater discharges are believed to represent a significant pathway for transport of pollutants to sediments from sources in the LDW basin.

Approximately 100 industrial facilities that discharge stormwater directly or indirectly to the LDW are covered by a National Pollutant Discharge Elimination System (NPDES) and State Waste Discharge permit issued by Ecology. The requirements of an NPDES permit provide for the attainment of water quality standards through regulation of stormwater discharges in an effort to protect the beneficial use of surface waters. Water quality standards are achieved through erosion and sediment control practices, water quality-based effluent limitations and/or benchmarks using Best Management Practices (BMPs), and pollution prevention practices (non-numeric BMPs). Implementation of BMPs is a permit requirement and is documented through a site-specific Stormwater Pollution Prevention Plan (SWPPP).

NPDES permits require compliance with both Washington State Surface Water Quality Standards (WQS) (Washington Administrative Code [WAC] 173-201A) and Washington State Sediment Management Standards (SMS) (WAC 173-204). Additional monitoring can be required for a permittee covered under the Industrial Stormwater General Permit (ISGP) if discharge monitoring data or other site-specific information demonstrate that a discharge may contribute to violation of the WQS and/or the SMS.

Ecology has reviewed results from stormwater sampling conducted at multiple facilities in the LDW and observed elevated levels of sediment contaminants of concern (COCs) in some stormwater discharges. The sampling effort described in this Technical Memorandum was conducted to find sources of COCs in a facility's storm drain system and to assess the concentrations of COCs in both water and solids to determine how they compare to the WQS and SMS.

Sampling inspections were conducted at 11 NPDES-permitted facilities between March and June 2013. Results are summarized in the *Lower Duwamish Waterway NPDES Inspection Sampling Support, Technical Memorandum*¸ dated January 2015 (Leidos 2015), referred to here as the "2013 Data Report." The current report documents additional sampling inspections conducted by Ecology's Water Quality and Toxics Cleanup Programs at 13 NPDES-permitted facilities between September 2014 and February 2015.

1.1 Study Objectives

The primary purpose of this study was to characterize water and solids in stormwater conveyance systems at selected NPDES-permitted facilities in the LDW basin. The analytical results obtained during the sampling support effort were used to meet the following objectives:

- Determine what pollutants are present in the facility's stormwater system that have the potential to discharge to the LDW.
- Determine if contaminant concentrations in water and solids collected in the stormwater conveyance system exceed WQS and/or SMS criteria.
- Provide data to evaluate if industrial facilities should be required to monitor for additional contaminants of concern not currently required under their NPDES permits.
- Identify additional locations recommended for sampling and analysis.

1.2 Document Organization

Section 1.0 provides an introduction to the report. Section 2.0 describes sample collection and deviations from the Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP). Analytical methods and results for water and solids samples are presented in Section 3.0. Section 4.0 summarizes the data validation report. References are listed in Section 5.0.

Tables 1 through 12 are comprehensive data tables, which provide all data collected during the 2014/2015 sampling program described in this report. Attachment 1 includes the independent data validation report for chemical analyses conducted for the water and solids samples.

Appendices L through X provide facility-specific background information and inspection and sampling results.[1] Each facility appendix includes figures, summary data tables, a photographic inspection log, field documentation, sample chains of custody, laboratory data reports, and Ecology inspection reports, when available.

[1] Appendices A through K are included with the *Lower Duwamish Waterway NPDES Inspection Sampling Support Technical Memorandum* dated January 2015 (Leidos 2015).

2.0 Field Sampling

This section summarizes the field sampling performed during this investigation. The methods for sample collection, processing, identification, and documentation are described in full detail in the *LDW NPDES Inspection Sampling Support Project, Sampling and Analysis Plan/Quality Assurance Project Plan* (Leidos 2014). Prior to sampling activities, Leidos reviewed facility-specific SWPPPs and previous inspections performed by Ecology to assess current operations and identify potential sampling locations for each facility.

2.1 Facility Inspection and Stormwater Conveyance System Sampling

Facility inspections and sampling activities were conducted at 13 facilities between September 3, 2014 and February 10, 2015. Prior to each inspection, Leidos and Ecology held a health and safety meeting upon arrival to discuss facility-specific potential hazards and operations. At the start of each inspection, Ecology and Leidos personnel met with the facility operators to discuss inspection and sampling activities. The inspection team (Ecology and Leidos) and facility representatives conducted a site walk to evaluate potential sample locations and determine whether or not sufficient water or solids were available to sample. After sampling locations were established, Leidos performed sampling activities while the Ecology inspector(s) continued with the facility inspection. In some instances, inspectors from local agencies (e.g., Seattle Public Utilities [SPU]) joined and performed a joint inspection.

Leidos used a telescoping pole to inspect manholes, catch basins, treatment systems and other stormwater conveyance structures to determine sampling suitability. When water and solids grab samples were collected from the same structure, water samples were collected first to limit the disturbance and distribution of suspended solids in the water column.

Water samples were collected from confined spaces using a peristaltic pump or with a decontaminated, stainless steel 5-gallon container attached to a telescoping pole and lowered into the stormwater structure. In some instances, the water sample was collected directly from an outfall or treatment system sampling port. Water collected was composited in a decontaminated, stainless steel bucket. A decontaminated, stainless steel pitcher was used to transfer water from the stainless steel bucket to pre-labeled sample bottles.

For solids samples, Leidos attached a decontaminated, stainless steel scoop to a telescoping pole and collected multiple solid grabs from a stormwater structure; these were composited in a decontaminated, stainless steel bucket. The solids were homogenized and transferred with a decontaminated, stainless steel spoon to pre-labeled sample containers. In the event limited sample volume was available, Ecology and Leidos selected a priority list of contaminants to be analyzed.

Facilities were provided with the option of split sampling. Most of the facilities opted for split sampling and Ecology accommodated all split sampling requests. Leidos prepared two sets of samples for each parameter to be analyzed and provided one set to the facility with chain of custody records.

The coordinates of grab sample locations were measured with a global positioning system (GPS) or differential global positioning system (DGPS). Sampling conditions were documented at the time of sample collection. Facility-specific inspection and sampling summaries, including inspection photographic logs, field documentation, sample chains of custody, laboratory data reports, and Ecology inspection reports (when available), are provided in Appendices L through X. Sample locations for all facilities are listed below, sorted by the facility code assigned to identify the facility for each sampling location. Additional information regarding each sample, including dates, coordinates, and location descriptions for all sampling locations are presented in Table 1.

Water and Solids Sampling Locations

Facility Code	Facility Name	Location ID	Sample Date	Water Sample	Solids Sample
AS	Alaska Street Reload & Recycling	AS-CB-UNK	01/20/15	Yes	No
		AS-CB-02	01/20/15	No	Yes
		AS-CB-05	01/20/15	No	Yes
BD	Boeing Developmental Center	BD-MH-13.43	12/02/14	No	Yes
		BD-OWS-02	12/03/14	Yes	No
		BD-MH-9.66	12/03/14	No	Yes
		BD-OWS-15	12/03/14	No	Yes
		BD-MH-10.9	12/03/14	No	Yes
		BD-MH-5.16	12/15/14	Yes	No
		BD-MH-11.31	12/15/14	Yes	No
		BD-OWS-14	12/22/14	Yes	No
		BD-MH-12.56	12/22/14	Yes	No
		BD-MH-1.32	12/22/14	Yes	No
CC	Chemithon	CC-A-01	10/13/14	Yes	Yes
		CC-FD-02	10/13/14	Yes	No
		CC-CB-22	10/13/14	No	Yes
		CC-CB-04	10/13/14	No	Yes
CS	Recology CleanScapes	CS-TS-01	09/03/14	Yes	No
		CS-SP-01	09/03/14	Yes	No
		CS-CB-01	09/03/14	No	Yes
DS	Duwamish Substation (Seattle City Light)	DS-CB-F3	12/16/14	Yes	No
		DS-TD-01	12/16/14	No	Yes
		DS-CB-I3	12/16/14	No	Yes
		DS-CB-H1	12/16/14	No	Yes
IA	Insurance Auto Auctions	IA-MHS-05	10/20/14	Yes	No
		IA-CBN-60	10/20/14	Yes	No
		IA-CV-01	10/20/14	Yes	No
PS	Puget Sound Coatings	PS-TS-01	09/09/14	Yes	Yes
		PS-OS-01	09/09/14	Yes	No

Facility Code	Facility Name	Location ID	Sample Date	Water Sample	Solids Sample
SC	South Service Center (Seattle City Light)	SC-MH-20	12/11/14	Yes	No
		SC-CB-24	12/11/14	No	Yes
		SC-CB-35	12/11/14	No	Yes
		SC-OWS-05	12/11/14	No	Yes
SP	South Park Marina	SP-OWS-01	10/08/14	Yes	Yes
		SP-CB-09[a]	10/08/14	No	Yes
ST	Samson Tug & Barge	ST-CB-04A	02/10/15	No	Yes
		ST-CB-08	02/10/15	No	Yes
		ST-OF-01	02/10/15	Yes	No
		ST-TS-01	02/10/15	Yes	No
		ST-FD-02	02/10/15	Yes	No
UG	Unified Grocers	UG-MH-60	09/11/14	Yes	Yes
		UG-FD-01	09/11/14	No	Yes
		UG-MH-76	09/11/14	No	Yes
WM	Waste Management - Eastmont Transfer Station	WM-FT-1b	01/22/15	Yes	No
		WM-CB-03	01/22/15	No	Yes
		WM-FD-02	01/22/15	No	Yes
WM	Waste Management - 8th Avenue S	WM-CB-11	02/03/15	Yes	No
		WM-MH-61	02/03/15	No	Yes
		WM-CB-52	02/03/15	No	Yes
		WM-CB-21	02/03/15	No	Yes

[a]Note: Sample SP-CB-09 is mistakenly referred to as SP-OWS-09 in laboratory reports from TestAmerica.
Sample CC-FD-02 is a field duplicate of sample CC-A-01.
Sample ST-FD-02 is a field duplicate of sample ST-TS-01.
Sample UG-FD-01 is a field duplicate of sample UG-MH-60.
Sample WM-FD-02 is a field duplicate of sample WM-CB-03.

2.2 Sample Identification

Water and solids samples were labeled with the facility code, stormwater conveyance structure type, location identification number, sample date (*yyyymmdd*), and "W" for water samples or "S" for solids samples.

For example:

SC-CB-24-20141211-S is a solids sample collected from catch basin 24 at the South Service Center facility on December 11, 2014. UG-MH-60-20140911-W is a water sample collected from manhole 60 at the Unified Grocers facility on September 11, 2014.

2.3 Deviations from the Sampling and Analysis Plan

The following deviations from the SAP occurred during the 2014/2015 sampling program at NPDES-permitted facilities:

- Up to 15 water grab samples were proposed to be collected; however, 25 water grab samples (including 2 field duplicates) were collected.
- Up to 40 solids grab samples were proposed to be collected; however, only 30 solids grab samples (including 2 field duplicates) were collected.
- A maximum of one water and four solids samples were to be collected from the stormwater conveyance system at each facility. In some cases, additional water samples were collected where sampleable solids material was unavailable.
- Some targeted analyses could not be performed due to insufficient sample volumes for solids. All analyses for each sample and the analytical results are presented in Tables 5 through 12.
- At some locations, water samples were not collected with a stainless steel pail due to the size of the conveyance system opening or conveyance system depth. A peristaltic pump and Teflon lined tubing was used to transfer water from the conveyance structure to the sample bottles.
- Sample identifications were altered from what was pre-determined in the SAP to accommodate facility-specific location identifiers and stormwater conveyance structures. The facilities and the abbreviations used in identifying samples are listed in Section 2.1.
- Leidos assumed 50-70% of the facilities (or 50-70% of the total number of samples) would request split samples for duplicate analysis. Nine of the 13 facilities (69% of the facilities) requested and received split samples for duplicate analysis.
- Per Ecology's request, two water samples collected at Puget Sound Coatings were analyzed for hexavalent chromium by U.S. Environmental Protection Agency (EPA) 3500-Cr and hydroxide by SM2320.
- Per Ecology's request, one water sample collected at Samson Tug & Barge was analyzed for salinity by SM2520.
- Per Ecology's request, one water sample collected from South Park Marina was analyzed for turbidity by SM2310B and for oil & grease by EPA 1664A.
- A dye test was conducted at Samson Tug & Barge adjacent to the LDW to investigate conveyance pathways at the facility.
- Field parameter water quality measurements were not collected at Samson Tug & Barge due to equipment malfunction.
- The solids sample container for sample PS-TS-01 was broken during shipment. The sample was homogenized and transferred to a new container. Leidos authorized Vista Analytical Laboratory (Vista) to proceed with analysis for PCB congeners and dioxins/furans.
- Solids sample PS-TS-01 was analyzed after the QAPP holding time of 48 hours for volatile organic compound (VOC) analysis. All reported VOC results were estimated (qualified with a J-flag).

- Analysis for pH was performed outside of the 24-hour holding time for the water samples collected at the following facilities: Alaska Street Reload & Recycling; Boeing Developmental Center; Chemithon; Duwamish Substation; Samson Tug & Barge, South Service Center; Waste Management 8th Avenue S; and Waste Management Eastmont Transfer Station. Reported results for pH are estimated (qualified with a J-flag).
- Total organic carbon (TOC) was analyzed outside of the holding time criterion for solids samples CS-CB-01 and PS-TS-01. TOC results were estimated (qualified with a J-flag) in these samples.
- Water sample UG-MH-60 was not analyzed for alkalinity, although the analysis was requested on the chain of custody.
- Water sample PS-OS-01 was not analyzed for dissolved organic carbon (DOC), although the analysis was requested on the chain of custody.
- Oil & grease analyses (EPA 1664A) were performed outside holding times for water sample SP-OWS-01; all reported results were estimated (qualified with a J-flag).
- Nitrate was analyzed outside of holding time for the water samples collected from Chemithon and South Service Center; all reported results were estimated (qualified with a J-flag).
- Water sample BD-OWS-02 was not analyzed for chloride and sulfate, although the analysis was requested on the chain of custody.
- Water sample DS-CB-F3 was not analyzed for semivolatile organic compounds (SVOCs) due to a laboratory equipment malfunction.

3.0 Chemical Analysis

This section summarizes results of the chemical analysis of water and solids samples collected during the 2014/2015 sampling program. During this period, 25 water samples (including two duplicates) were collected at 23 sample locations and 30 solids samples (including two duplicates) were collected at 28 sample locations. Analytical methods and other pertinent information for all 2014/2015 water and solids samples are presented in Tables 2 and 3. The 2014/2015 data validation is summarized in Section 4.0 and the full validation report is presented as Attachment 1. Original laboratory reports for the facilities sampled during the 2014/2015 sampling program are provided as attachments in facility-specific appendices (Appendices L through X) of this report.

Summary statistics presented in Sections 3.1 and 3.2 include the results from the 2013 sampling program. During 2013, 15 water samples (including one duplicate) were collected at 14 sample locations and 27 solids samples (including two duplicates) were collected at 25 sample locations. Analytical methods, results, and original laboratory reports for all samples collected during the 2013 sampling program are provided in Appendices A through K of the 2013 Data Report (Leidos 2015).

Water sample results were compared to Washington State WQS water quality criteria for protection of aquatic life (WA WQC)[2] and National Toxics Rule water quality criteria for protection of human health due to consumption of organisms only (NTR WQC)[3]. In addition, results are also compared to available ISGP benchmarks for quarterly stormwater monitoring. The ISGP benchmarks for metals apply to various types of industries including: chemical and allied products; metal fabricators and salvage yards; hazardous waste treatment, storage, and disposal; air transportation; and timber products. All industrial facilities sampled during the 2014/2015 sampling program are required to monitor for copper and zinc in their stormwater discharge. The ISGP benchmarks are used here for comparison purposes only. Criteria used for water sample comparisons are listed in Table 5.

Solids sample results were compared to SMS criteria[4] for all chemicals with numeric SMS benthic criteria and to Remedial Action Level (RAL) concentrations for the four major LDW human health risk driver chemicals (arsenic, carcinogenic polycyclic aromatic hydrocarbons [cPAHs], total polychlorinated biphenyls [PCBs], and dioxins/furans [D/F]), as applicable (EPA 2014). Where SMS criteria are expressed on an organic carbon (OC)-normalized basis, solids results are also presented in OC-normalized units (milligrams per kilogram [mg/kg] OC). Samples with TOC concentrations <0.5% or >4.0% were not OC-normalized; instead, their dry weight (DW) results were compared to the DW Apparent Effects Thresholds (AET) criteria (Michelsen and Bragdon-Cook 1993). The Lowest Apparent Effects Threshold (LAET) and Second Lowest Apparent Effects Threshold (2LAET) are analogous to SMS benthic Sediment Cleanup Objectives (SCO) and Cleanup Screening Levels (CSL), respectively, for the protection of benthic communities. Criteria used for solids sample comparisons are listed in Tables 9 and 11.

[2] WAC 173-201A-240
[3] http://www.ecy.wa.gov/programs/wq/swqs/national_toxics_rule.pdf
[4] WAC 173-204

The LDW Source Control Work Group compares analytical results from solids samples collected from storm drain systems in the LDW basin to the benthic SCO and AET. Petroleum hydrocarbon results are compared to the Model Toxics Control Act (MTCA) Method A cleanup standards. Although these regulatory standards are not applicable to storm drain solids, the LDW Source Control Work Group uses these values as a benchmark to describe storm drain solids quality (SPU 2010).

Total cPAH concentrations were calculated using toxicity equivalency factor (TEF) values provided in the MTCA (WAC 173-340-708(e), Table 708-2) based on an individual compound's relative toxicity to benzo(a)pyrene. Final cPAH concentrations are equivalent to the sum of the concentrations of the seven individual cPAH compounds multiplied by their associated TEF. Nondetected values were assessed as half of the sample-specific quantitation limit. Individual cPAH compounds include benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Total high molecular weight PAH (HPAH) values for each sample were calculated by summing the detected concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, total benzofluoranthenes, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene.

Total low molecular weight PAH (LPAH) values for each sample were calculated by summing the detected concentrations of acenaphthene, acenaphthylene, anthracene, fluorene, naphthalene, and phenanthrene. If an individual PAH constituent was not detected, it was not included in the total HPAH or LPAH value. If an individual PAH constituent was qualified with a "J" flag by the laboratory, the value was included in the total HPAH or LPAH value.

The toxic equivalency (TEQ) concentrations of the dioxin/furan congeners were normalized to the toxicity of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) using TEFs updated by the World Health Organization in 2005 (Van den Berg et al. 2006) and incorporated into MTCA (Ecology 2007, WAC 173-340). The TEQ is equivalent to the sum of the concentrations of individual congeners multiplied by their TEF (toxicity relative to 2,3,7,8-TCDD). Nondetected values were assessed as one-half the sample-specific detection limit for nondetected congeners. Dioxin/furan congener data for solids samples are presented in Section 3.2.5.

PCBs are a group of synthetic organic chemicals that include 209 individual chlorinated biphenyl compounds (known as congeners). Total PCBs are expressed in three ways in this report:

- Total PCB congeners are the sum of all detected individual congeners for a given sample.
- PCB TEQ is the total concentration of dioxin-like PCB congeners, relative to 2,3,7,8-TCDD; concentrations of each of the 12 dioxin-like PCB congeners are multiplied by their respective TEFs and summed to obtain the PCB TEQ. Nondetected values were assessed as one-half the sample-specific detection limit for nondetected congeners.
- Total PCB Aroclors are the sum of the detected individual Aroclors for a given sample.

Vista reported estimated maximum possible concentration (EMPC) values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected, but did not meet identification criteria as required by the analytical method; therefore, the result cannot be

considered as positive identification for the analyte. During data validation, EcoChem qualified the EMPC values as not detected (U) to indicate that the result is not detected at an elevated reporting limit. EcoChem qualified the EMPC values for total homolog groups as estimated (J) at the reported values. In this report, total PCB congeners and total PCB homologs include only congeners that met identification criteria by EPA Method 1668C. Individual PCB congeners that the laboratory qualified with a "U" flag were not included in the total PCB and total homolog calculations. Individual PCB congeners that the laboratory qualified with a "J" qualifier, with the exception of EMPC values, were included in the total PCB and total homolog calculations. PCB congener data are presented in Section 3.1.1.

3.1 Water Samples

Twenty-five water samples were collected from 13 facilities during the 2014/2015 sampling program. All water samples were submitted to TestAmerica, Inc. (TestAmerica) and Vista for analysis. Vista analyzed water samples for PCB congeners and dioxins/furans only. TestAmerica analyzed water samples for SVOCs including PAHs and phthalates, total metals (including mercury), pH, specific conductance, alkalinity, anions, TOC, DOC and total suspended solids (TSS). At Ecology's request, two water samples were analyzed for hexavalent chromium, one water sample was analyzed for salinity, and one water sample was analyzed for turbidity and oil & grease. The analytical methods are listed below.

Analytical Methods for Water Samples

Analyte Group	Analytical Method
PCB Congeners	EPA 1668C
SVOCs (including phthalates and PAHs)	EPA 8270D
Metals and mercury (total)	EPA 200.8/7470A
Dioxins/Furans	EPA 1613B
pH	SM4500H
Specific conductance	EPA 120.1
Alkalinity	SM2320/EPA 310.1
Anions	EPA 300.0/353.2
TOC	SM5310
DOC	SM5310
TSS	SM2540D
Chromium, hexavalent [a]	EPA 3500-Cr
Hydroxide [a]	SM2320
Salinity [b]	SM2520
Turbidity [c]	SM2310B
Oil & Grease [c]	EPA 1664A

a – Per Ecology's request, two water samples were analyzed for hexavalent chromium and hydroxide.
b – Per Ecology's request, one water sample was analyzed for salinity.
c – Per Ecology's request, one water sample was analyzed for turbidity and oil & grease.

Additional details regarding analytical quality assurance/quality control (QA/QC) requirements are presented in the project SAP/QAPP (Leidos 2014). Sample analyses conformed to standard EPA and Puget Sound Estuary Program (PSEP) guidance (PSEP 1997a, b, c) and the project SAP/QAPP (Leidos 2014), with the exception of SAP/QAPP deviations described in Section 2.3.

In addition to laboratory analysis, Leidos collected water quality data in the field including: pH, conductivity, temperature, total dissolved solids, turbidity, visual oil & grease, and dissolved oxygen (Table 4). Exceedances of the ISGP benchmark for pH were observed at two facilities, where pH in samples was greater than 9.0, the upper limit of the benchmark. Turbidity exceeded the ISGP benchmark at eight facilities. A visible sheen was observed on the water at three facilities.

Water quality and chemical analyses for samples collected at individual facilities are presented in each facility's appendix (Appendices L through X) and in Tables 4 through 8.

3.1.1 PCBs

PCB Congeners

PCB congener results for 40 water samples collected during the 2013 and 2014/2015 sampling programs are summarized below. Results are presented in picograms per Liter (pg/L) as reported by the laboratories. Individual sample results for the 2014/2015 sampling program are presented in Tables 5 and 7.

Summary of PCB Congener Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (pg/L)			Range of SDLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total Monochlorobiphenyl	24 / 40	60%	1.70 J	213 J	51.3	0.882 U* - 11.4
Total Dichlorobiphenyl	36 / 40	90%	2.31 J	12,300	885	4.21 – 28.0 U*
Total Trichlorobiphenyl	38 / 40	95%	18 J	64,000	3,500	2.96 - 6.33
Total Tetrachlorobiphenyl	40 / 40	100%	16.9	68,600	5,390	NA
Total Pentachlorobiphenyl	40 / 40	100%	4.33 J	55,600	8,300	NA
Total Hexachlorobiphenyl	39 / 40	98%	5.10	54,300	8,300	10.7
Total Heptachlorobiphenyl	39 / 40	98%	3.66	35,400	4,160	5.36
Total Octachlorobiphenyl	35 / 40	88%	5.27 J	10,200	1,170	1.90 - 4.47 U*
Total Nonachlorobiphenyl	33 / 40	83%	2.05 J	1,600	230	1.71 - 44.6 U*
Decachlorobiphenyl	17 / 40	43%	1.47 J	337	87.2	1.35 - 37.3 U*
Total PCB Congeners	40 / 40	100%	58.7 J	302,000 J	31,200	NA
PCB TEQ, nd SDL*0.5 [a]	38 / 40	95%	0.0568 J	6.66 J	1.50	0.0860 - 0.158

[a] PCB TEQ, nd SDL*0.5 reported as pg-TEQ/L. Refer to the beginning of Section 3.0 for an explanation of how the PCB TEQs were calculated.
U* - flagged as EMPC by the laboratory; this was changed to U (non-detect) during data validation
NA – not applicable, nd – not detected, SDL – sample detection limit

The 2014/2015 total PCB congener results were compared to the WA WQC and NTR WQC (Table 6). Summaries of the number of total PCB congener results for water samples compared to WQC are presented below.

Counts of Water Sample Results Compared to the WA Marine WQC for Protection of Aquatic Life: Total PCB Congeners

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤Chronic	>Chronic, ≤Acute	>Acute	≤Chronic	>Chronic, ≤Acute	>Acute
Total PCB Congeners	40	0	30	10	0	0	0	0

Counts of Water Sample Results Compared to the NTR WQC for Protection of Human Health (Consumption of Organisms Only): Total PCB Congeners

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetected Results	
	Detects	Non-detects	≤NTR WQC	>NTR WQC	≤NTR WQC	>NTR WQC
Total PCB Congeners	40	0	2	38	0	0

PCB Aroclors

During the 2013 sampling program, PCB Aroclors were analyzed in two water samples collected at one industrial facility, Independent Metals. Results for the individual Aroclors and total PCB Aroclors are summarized in the table below. Concentrations are reported in micrograms per Liter (µg/L) as reported by the laboratory. The individual sample results are presented in the 2013 Data Report (Leidos 2015). Water samples collected during the 2014/2015 sampling program were not analyzed for PCB Aroclors.

Summary of PCB Aroclor Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Aroclor 1016	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Aroclor 1221	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Aroclor 1232	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Aroclor 1242	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Aroclor 1248	2 / 2	100%	0.024 JN	0.8	0.4	NA
Aroclor 1254	2 / 2	100%	0.01	0.54	0.3	NA
Aroclor 1260	2 / 2	100%	0.007 J	0.6	0.3	NA
Aroclor 1262	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Aroclor 1268	0 / 2	0%	ND	ND	NA	0.01 – 0.2
Total PCB Aroclors	2 / 2	100%	0.041 JN	1.9	0.97	NA

JN – estimated concentration, NA – not applicable, ND – not detected, RL – reporting limit

The total PCB Aroclors results were compared to the WA WQC and NTR WQC. Summaries of the number of total PCB Aroclors results for water samples compared to water quality criteria are presented below.

Counts of Water Sample Results Compared to the WA Marine WQC for Protection of Aquatic Life: Total PCB Aroclors

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤Chronic	>Chronic, ≤Acute	>Acute	≤Chronic	>Chronic, ≤Acute	>Acute
Total PCB Aroclors	2	0	0	2	0	0	0	0

Counts of Water Sample Results Compared to the NTR WQC for Protection of Human Health (Consumption of Organisms Only): Total PCB Aroclors

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetected Results	
	Detects	Non-detects	≤NTR WQC	>NTR WQC	≤NTR WQC	>NTR WQC
Total PCB Aroclors	2	0	0	2	0	0

3.1.2 Metals

All 15 water samples collected during the 2013 sampling program were analyzed for total and dissolved metals. The 25 water samples collected during the 2014/2015 sampling program were analyzed for total metals only. Each metal has been detected in at least one sample. Total metals results were compared to the WA WQC and ISGP benchmarks. Dissolved metals results were compared to the WA WQC and the NTR WQC.

Total Metals

Total metals results for the 40 water samples collected during the 2013 and 2014/2015 sampling programs are summarized below. Results are presented in µg/L. Individual sample results for total metals for the 2014/2015 sampling program are presented in Table 5.

Summary of Total Metals Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Non-detects
	Ratio	%	Minimum	Maximum	Mean	
Antimony	39 / 40	98%	0.097 J	59	4.8	0.2
Arsenic	34 / 40	85%	0.7	99	6.0	1.0
Beryllium	7 / 40	18%	0.15 J	1.9	0.5	0.2 - 0.5
Cadmium	30 / 40	75%	0.043 J	5.2	0.6	0.05 - 0.4
Chromium	38 / 40	95%	0.29 J	177	12	0.5
Chromium, hexavalent	0 / 2	0%	ND	ND	NA	12
Copper	39 / 40	98%	0.80 J	820	46	1.5
Lead	40 / 40	100%	0.11 J	725	30	NA
Mercury	15 / 40	38%	0.0227	0.91	0.17	0.02 - 0.20
Nickel	39 / 40	98%	0.63 J	268	14	3.0
Selenium	8 / 40	20%	0.48 J	1.2	0.7	0.5 – 2.0
Silver	11 / 40	28%	0.034 J	1.0	0.18	0.2 - 0.40
Thallium	1 / 40	3%	0.3	0.3	0.3	0.2 – 1.0
Zinc	40 / 40	100%	4.7	3,500	300	NA

The results for total metals were compared to the WA WQC and ISGP benchmarks (Table 6). Water quality criteria for total metals were derived from dissolved criteria and default translator as provided in the WAC, Chapter 173-201A-240. A summary of the number of total metals results for water samples compared to WA WQC is presented in the table below.

Counts of Water Sample Results Compared to WA WQC for Total Metals

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetect Results		
	Detects	Non-detects	≤Chronic	>Chronic, ≤Acute	>Acute	≤Chronic	>Chronic, ≤Acute	>Acute
Arsenic	34	6	33	0	1	6	0	0
Cadmium	30	10	30	0	0	10	0	0
Copper	39	1	5	4	30	1	0	0
Lead	40	0	25	14	1	0	0	0
Mercury	15	25	1	14	0	10	15	0
Nickel	39	1	29	9	1	1	0	0
Selenium	8	32	8	0	0	32	0	0
Silver	11	29	0	0	0	0	0	0
Zinc	40	0	17	1	22	0	0	0

WA WQC have not been established for antimony, beryllium, chromium, and thallium.

A summary of the total number of total metal results for water samples compared to ISGP benchmarks is provided below. The facilities are only required to monitor for copper and zinc. Individual sample results compared to ISGP benchmarks are presented in Table 6.

Counts of Water Sample Results Compared to ISGP Benchmarks for Total Metals

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetect Results	
	Detects	Non-detects	≤Benchmark	>Benchmark	≤Benchmark	>Benchmark
Arsenic	34	6	34	0	6	0
Cadmium	30	10	27	3	10	0
Copper	39	1	21	18	1	0
Lead	40	0	38	2	0	0
Mercury	15	25	15	0	25	0
Selenium	8	32	8	0	32	0
Silver	11	29	11	0	29	0
Zinc	40	0	20	20	0	0

Dissolved Metals

The dissolved metals results for the water samples collected during the sampling support activities are summarized below. Results are presented in µg/L as reported by the laboratory. Individual sample results for dissolved metals are presented in the 2013 Data Report (Leidos 2015). Samples collected during 2014/2015 were not analyzed for dissolved metals.

Summary of Dissolved Metals Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Antimony	13 / 15	87%	0.2	20.3 J	3	0.2
Arsenic	14 / 15	93%	0.4	10.4	2	0.5
Beryllium	0 / 15	0%	ND	ND	NA	0.2 – 0.5
Cadmium	2 / 15	13%	0.1	0.4	0.3	0.1
Chromium	11 / 15	73%	0.5	19.8	4	0.5
Copper	15 / 15	100%	1.4	26.1	5	NA
Lead	7 / 15	47%	0.1	4.4	0.9	0.1
Mercury	0 / 15	0%	ND	ND	NA	0.02
Nickel	11 / 15	73%	0.9	27.5	5	0.5
Selenium	3 / 15	20%	0.6	0.8	0.7	0.5 – 2.0
Silver	0 / 15	0%	ND	ND	NA	0.2
Thallium	0 / 15	0%	ND	ND	NA	0.2
Zinc	12 / 15	80%	5	370	60	4.0

The table below presents a summary of the number of dissolved metals results for water samples compared to WA WQC.

Counts of Water Sample Results Compared to WA WQC for Dissolved Metals

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetect Results		
	Detects	Non-detects	≤Chronic	>Chronic, ≤Acute	>Acute	≤Chronic	>Chronic, ≤Acute	>Acute
Arsenic	14	1	14	0	0	1	0	0
Cadmium	2	13	2	0	0	13	0	0
Copper	15	0	8	4	3	0	0	0
Lead	7	8	7	0	0	8	0	0
Mercury	0	15	0	0	0	15	0	0
Nickel	11	4	9	2	0	4	0	0
Selenium	3	15	3	0	0	12	0	0
Silver	0	15	0	0	0	15	0	0
Zinc	12	15	11	0	1	3	0	0

WA WQC have not been established for antimony, beryllium, chromium, and thallium.

Individual sample results compared to WA WQC and NTR WQC for dissolved metals in water are presented in the 2013 Data Report (Leidos 2015). NTR WQC have been published for antimony, mercury, and nickel. Concentrations of antimony, mercury, and nickel did not exceed the NTR WQC in any of the samples collected during the 2013 sampling program.

3.1.3 SVOCs

All 15 water samples collected during the 2013 sampling program and 24 of the 25 water samples collected during the 2014/2015 sampling program were analyzed for SVOCs, including PAHs, phthalates, and phenols.[5] Results were compared to the NTR WQC, when applicable. SVOC results for the water samples are summarized below. Individual sample results for SVOCs for the 2014/2015 sampling program are presented in Table 5.

Summary of SVOC Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
PAHs						
Acenaphthene	7 / 39	18%	0.012	3.5	0.54	0.01 - 0.96
Acenaphthylene	1 / 39	3%	0.047	0.047	0.047	0.01 - 0.77
Anthracene	11 / 39	28%	0.013 J	0.81	0.14	0.01 - 0.38
Benzo(a)anthracene	15 / 39	38%	0.017	2.2	0.2	0.01 - 0.57
Benzofluoranthenes	15 / 39	38%	0.033 J	4.7	0.5	0.02 - 0.77
Benzo(g,h,i)perylene	11 / 39	28%	0.022	1.8	0.2	0.01 - 0.3
Benzo(a)pyrene	10 / 39	26%	0.015	1.9	0.3	0.01 - 0.2
Chrysene	17 / 39	44%	0.026 J	4.7	0.41	0.01 - 0.38
Dibenzo(a,h)anthracene	3 / 39	8%	0.019 J	0.32	0.19	0.01 - 0.3
Dibenzofuran	6 / 39	15%	0.011	0.7 J	0.1	0.01 - 3.8

[5] The water sample collected from the Duwamish Substation was not analyzed for SVOCs due to a laboratory extraction/equipment issue.

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Fluoranthene	27 / 39	69%	0.013	7.2	0.4	0.01 - 0.25
Fluorene	15 / 39	38%	0.01	1.0	0.2	0.01 - 0.57
Indeno(1,2,3-cd)pyrene	11 / 39	28%	0.01	1.2	0.2	0.01 - 0.57
1-Methylnaphthalene	5 / 39	13%	0.01 J	0.088	0.03	0.01 - 0.57
2-Methylnaphthalene	8 / 39	21%	0.012	0.18	0.052	0.01 - 1.9
Naphthalene	3 / 39	8%	0.024	0.072	0.044	0.01 - 3.8
Phenanthrene	20 / 39	51%	0.013	1.8	0.25	0.01 - 0.77
Pyrene	27 / 39	69%	0.015	6.6	0.4	0.01 - 0.3
Total cPAHs [a]	20 / 39	51%	0.0088	2.8	0.2	0.0076 - 0.181
Total HPAHs	28 / 39	72%	0.02	31	2.0	0.02 - 0.39
Total LPAHs	23 / 39	59%	0.013	4.8	0.6	0.01 - 3.8
Phthalates						
Bis(2-ethylhexyl)phthalate	12 / 39	31%	0.6 J	17	6.0	1.0 - 29
Butylbenzylphthalate	4 / 39	10%	0.20 J	1.5 J	0.55	0.57 - 5.7
Di-n-butyl phthalate	7 / 39	18%	0.15 J	1.3	0.5	0.15 - 3.8
Diethyl phthalate	3 / 39	8%	0.11 J	0.88 J	0.37	0.11 - 3.8
Dimethyl phthalate	2 / 39	5%	0.31 J	1.0	0.66	0.38 - 3.8
Di-n-octyl phthalate	7 / 39	18%	0.25 J	6.7	1.7	0.38 - 3.8
Phenols [b]						
2-Methylphenol	2 / 39	5%	0.5 J	1.4	1.0	0.38 - 3.8
4-Methylphenol	10 / 39	26%	0.14 J	12	3.0	0.76 - 7.7
4-Nitrophenol	2 / 39	5%	5.5 J	7.6 J	6.6	2.8 - 29
Pentachlorophenol	10 / 39	26%	0.14 J	4.5 J	1.6	0.66 - 10
Phenol	6 / 39	15%	0.15 J	5.1	2.0	0.57 - 5.7
Other SVOCs [b]						
2,2'-Oxybis(1-chloropropane)	5 / 39	13%	0.38	2.0	1.0	0.38 - 3.8
2,6-Dinitrotoluene	5 / 39	13%	0.17 J	0.55 J	0.36	0.38 - 3.8
Aniline	1 / 15	7%	1.7 J	1.7 J	1.7	1.0
Benzoic Acid	16 / 39	41%	0.75 J	110 J	10	2.8 - 29
Benzyl Alcohol	3 / 39	8%	0.17 J	2.0 J	1.1	0.13 - 4.5
Isophorone	2 / 39	5%	0.13 J	0.58 J	0.36	0.38 - 3.8
N-Nitrosodi-n-propylamine	1 / 39	3%	0.30 J	0.30 J	0.30	0.38 - 3.8
N-Nitrosodiphenylamine	1 / 39	3%	0.82 J	0.82 J	0.82	0.38 - 3.8

[a] Total cPAHs are reported as µg-TEQ/L. Refer to the beginning of Section 3.0 for an explanation of how total cPAHs were calculated.
[b] Table presents phenols and other SVOCs detected in one or more samples only. Aniline was analyzed in the 2013 sampling program only.

The table below presents a summary of the number of SVOCs results for water samples compared to NTR WQC.

Counts of Water Sample Results Compared to National Toxics Rule Criteria for SVOCs

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetected Results	
	Detects	Non-detects	≤NTR WQC	>NTR WQC	≤NTR WQC	>NTR WQC
PAHs						
Anthracene	11	28	11	0	28	0
Benzo(a)anthracene	15	24	3	12	7	17
Benzo(a)pyrene	10	29	4	6	8	21
Benzofluoranthenes	15	24	0	15	8	16
Chrysene	17	22	1	16	8	14
Dibenzo(a,h)anthracene	3	36	1	2	12	24
Fluoranthene	27	12	27	0	12	0
Fluorene	15	24	15	0	24	0
Indeno(1,2,3-cd)pyrene	11	28	6	5	8	20
Pyrene	27	12	27	0	12	0
Phthalates						
Bis(2-ethylhexyl)phthalate	12	27	7	5	17	10
Di-n-butyl phthalate	7	32	7	0	32	0
Diethyl phthalate	3	36	3	0	36	0
Dimethyl phthalate	2	37	2	0	37	0
Phenols						
Pentachlorophenol	10	29	10	0	14	15
Phenol	6	33	6	0	33	0
Other SVOCs						
2,2'-Oxybis(1-chloropropane)	5	34	5	0	34	0
Isophorone	2	37	2	0	37	0
N-Nitrosodiphenylamine	1	38	1	0	38	0

In Tables 5 and 6 and in Appendices L through X, pentachlorophenol results were compared to the WA WQC and the NTR WQC. During the 2013 sampling program, pentachlorophenol was not detected; however, the reporting limits (RLs) for all samples exceeded the chronic marine WQC and the NTR WQC. During 2014/2015 sampling program, pentachlorophenol concentrations and RLs were below the chronic marine WQC and the NTR WQC (Table 5).

3.1.4 Pesticides

Pesticides were not detected in any of the 15 water samples collected during the 2013 sampling program. Individual sample results for pesticides in water compared to WA WQC and NTR WQC are presented in the 2013 Data Report (Leidos 2015).

Based on the results of the 2013 sampling program, analysis of pesticides was eliminated for the water samples collected during the 2014/2015 sampling program.

3.1.5 Dioxins/Furans

All 25 water samples collected during the 2014/2015 sampling program were analyzed for dioxins/furans. Dioxin/furan results are summarized below in pg/L. With the exception of 2,3,7,8-TCDD, all 17 individual dioxin/furan congeners were detected in one or more water samples (Table 5). Water samples collected during the 2013 sampling program were not analyzed for dioxins/furans.

The TEQ concentrations of the dioxin/furan congeners were normalized to the toxicity of 2,3,7,8-TCDD using TEFs updated by the World Health Organization in 2005 (Van den Berg et al. 2006) and incorporated into MTCA (Ecology 2007, WAC 173-340). The TEQ is equivalent to the sum of the concentrations of individual congeners multiplied by their TEF (toxicity relative to 2,3,7,8-TCDD). Nondetected values were assessed as half the sample-specific detection limit for nondetected congeners.

Summary of Dioxin/Furan Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (pg/L)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
2,3,7,8-TCDD	0 / 25	0%	ND	ND	NA	0.729 - 2.38
1,2,3,7,8-PeCDD	3 / 25	12%	2.22 J	3.23 J	2.79	0.513 - 12.3
1,2,3,4,7,8-HxCDD	5 / 25	20%	3.43 J	42.1	13.5	0.899 - 5.58
1,2,3,6,7,8-HxCDD	8 / 25	32%	4.67 J	95.9	29.3	0.957 - 5.66
1,2,3,7,8,9-HxCDD	6 / 25	24%	3.22 J	79.2	22.4	0.966 - 11.3
1,2,3,4,6,7,8-HpCDD	22 / 25	88%	2.15 J	2,690	341	2.30 - 3.98
OCDD	25 / 25	100%	10.7 J	21,800	2,930	NA
2,3,7,8-TCDF	5 / 25	20%	1.46 J	3.73 J	2.46	0.567 - 2.28
1,2,3,7,8-PeCDF	3 / 25	12%	2.09 J	4.2 J	3.29	0.558 - 2.80
2,3,4,7,8-PeCDF	5 / 25	20%	2.30 J	5.87 J	3.73	0.506 - 2.43
1,2,3,4,7,8-HxCDF	5 / 25	20%	1.55 J	35.3	14.6	0.478 - 5.67
1,2,3,6,7,8-HxCDF	6 / 25	24%	0.792 J	40.4	9.92	0.521 - 5.81
1,2,3,7,8,9-HxCDF	3 / 25	12%	1.46 J	2.63 J	2.05	0.617 - 3.64
2,3,4,6,7,8-HxCDF	7 / 25	28%	1.87 J	43.8	12.2	0.454 - 2.37
1,2,3,4,6,7,8-HpCDF	15 / 25	60%	3.08 J	1,170	133	0.981 - 3.15
1,2,3,4,7,8,9-HpCDF	6 / 25	24%	1.71 J	59.5	19.5	0.401 - 3.47
OCDF	17 / 25	68%	1.99 J	3,460	433	1.19 - 4.92
D/F TEQ, nd SDL*0.5 [a]	25 / 25	100%	0.00321	82.8	8.08	NA
Total TCDD	1 / 25	4%	5.95 J	5.95 J	5.95	0.730 - 3.17
Total TCDF	6 / 25	24%	1.17	50.4 J	23.7	0.567 - 3.46
Total PeCDD	6 / 25	24%	1.73	45.2 J	18.5	0.513 - 6.80
Total PeCDF	10 / 25	40%	1.43	192 J	52.4	0.462 - 6.75
Total HxCDD	13 / 25	52%	1.06	654	161	2.47 - 5.94
Total HxCDF	16 / 25	64%	0.675	1,050	125	0.451 - 6.95

Chemical	Detection Frequency		Detected Concentrations (pg/L)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total HpCDD	23 / 25	92%	2.15 J	5,660	885	3.98 - 4.94
Total HpCDF	16 / 25	64%	1.20 J	2,880	376	1.01 - 4.86

[a] D/F TEQ, nd SDL*0.5 reported as pg-TEQ/L. Refer to the beginning of Section 3.0 for an explanation of how the D/F TEQs were calculated.

3.1.6 Water Quality Conventionals

Water quality general chemistry results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015). Results for the 2014/2015 sampling program are summarized in Table 8. All pH results met the ISGP benchmark for pH ranges between 5.0 and 9.0. Total suspended solids exceeded the ISGP benchmark in seven samples collected from five facilities. Water quality conventionals are summarized below.

Summary of Conventionals Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Conventionals						
Alkalinity (mg/L $CaCO_3$)	38 / 39	97%	3	767	70	5
Bicarbonate (mg/L $CaCO_3$)	38 / 39	97%	3	724	60	5
Carbonate (mg/L $CaCO_3$)	6 / 39	15%	1.2	86	30	1 - 5
Chloride (mg/L)	38 / 39	97%	0.34	970	90	5
Conductivity (µmhos/cm)	40 / 40	100%	11	120,000	3,000	NA
Dissolved Organic Carbon (mg/L)	35 / 37	95%	0.83	73.9	9.4	1.5
Hydroxide (mg/L $CaCO_3$)	0 / 17	0%	ND	ND	NA	1
N-Nitrate (mg-N/L)	23 / 40	58%	0.019	1.2	0.4	0.1 – 0.9
pH (std units)	40 / 40	100%	6.03	9.46	7.37	NA
Sulfate (mg/L)	38 / 39	97%	0.6	234	30	5
Total Organic Carbon (mg/L)	40 / 40	100%	0.98	107	10	NA
Total Suspended Solids (mg/L)	28 / 40	70%	2.2	2,120	190	1.1 - 10

CaCO3 – calcium carbonate, mg/L – milligrams per Liter, mg-N/L – milligrams per Liter as nitrogen, std units – standard units

3.2 Solids Samples

Thirty solids samples were collected from 28 sampling locations during the 2014/2015 sampling program. All solids samples were submitted to Vista for analysis of PCB congeners and dioxins/furans and to TestAmerica for analysis of PCB Aroclors, SVOCs including PAHs and phthalates, diesel- and motor oil-range hydrocarbons, gasoline-range hydrocarbons, VOCs, metals (including mercury), TOC, total petroleum hydrocarbons (TPH) and grain size.

The analytical methods are listed below. Additional details regarding analytical QA/QC requirements are presented in the project SAP/QAPP (Leidos 2014). Sample analyses conformed to standard EPA and PSEP guidance (PSEP 1997a, b, c) and the project SAP/QAPP (Leidos 2014),

with the exception of SAP/QAPP deviations described in Section 2.3. Analytical results for solids samples are presented in Tables 9 through 12 and in each facility-specific appendix (Appendices L through X).

Analytical Methods for Solids

Analyte Group	Analytical Method
PCB Congeners	EPA 1668C
PCB Aroclors	EPA 8082
SVOCs (including phthalates and PAHs)	EPA 8270C/8270D
Dioxins/Furans	EPA 1613B
TPH-Diesel and Motor Oil	NWTPH-Dx
TPH-Gasoline	NWTPH-Gx
VOCs	EPA 8260B/8260C
Metals	EPA 6010 (ICP-MS)
Mercury	EPA 7471A
TOC	SW9060 PSEP
Particle Size Distribution	PSEP Plumb 1981

ICP-MS – inductively coupled plasma mass spectrometry

3.2.1 PCBs

PCB Congeners

PCB congener results for 30 solids samples collected during the 2014/2015 sampling program are summarized below. Results are presented in nanograms per kilogram DW (ng/kg DW). Individual sample results for the 2014/2015 sampling program are presented in Tables 9 and 12. The solids samples collected during the 2013 sampling program were not analyzed for PCB congeners.

Summary of PCB Congener Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (ng/kg)			Range of SDLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total Monochlorobiphenyl	25 / 30	83%	0.106	7.92	931	0.062 – 1.05
Total Dichlorobiphenyl	30 / 30	100%	0.435 J	79.0	11.4	NA
Total Trichlorobiphenyl	30 / 30	100%	0.863 J	734 J	52.2	NA
Total Tetrachlorobiphenyl	30 / 30	100%	2.27 J	1,790	172	NA
Total Pentachlorobiphenyl	30 / 30	100%	8.01 J	3,340 J	428	NA
Total Hexachlorobiphenyl	30 / 30	100%	10.0 J	4,140 J	439	NA
Total Heptachlorobiphenyl	30 / 30	100%	5.49 J	2,490 J	244	NA
Total Octachlorobiphenyl	30 / 30	100%	0.782 J	799 J	68.8	NA
Total Nonachlorobiphenyl	30 / 30	100%	0.316 J	200 J	12.2	NA
Decachlorobiphenyl	28 / 30	93%	0.0922	16.7 J	1.84	0.0576 – 1.92
Total PCB Congeners	30 / 30	100%	34.4 J	11,500 J	1,430	NA

Chemical	Detection Frequency		Detected Concentrations (ng/kg)			Range of SDLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
PCB TEQ, nd SDL*0.5 [a]	30 / 30	100%	0.000144 J	0.608	0.0770	NA

[a] PCB TEQ, nd SDL*0.5 reported as ng-TEQ/kg. Refer to the beginning of Section 3.0 for an explanation of how the PCB TEQs were calculated.

The number of total PCB congener results for solids samples compared to SMS benthic criteria is summarized below. Individual results compared to the SMS benthic criteria are presented in Table 10.

Counts of Solids Sample Results Compared to SMS Criteria for Total PCBs Congeners

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤SCO/ LAET	>SCO/LAET, ≤CSL/2LAET	>CSL/ 2LAET	≤SCO/ LAET	>SCO/LAET, ≤CSL/2LAET	>CSL/ 2LAET
Total PCB Congeners	30	0	4	17	9	0	0	0

PCB Aroclors

PCB Aroclor results for the 57 solids samples collected during the 2013 and 2014/2015 sampling programs are summarized below. PCBs are presented in micrograms per kilogram DW (µg/kg DW) and were detected in 54 samples. The benthic SCO and CSL criteria are in units normalized to organic carbon content (mg/kg OC). Thirteen of the 57 samples contained TOC concentrations within the 0.5% to 4.0% criteria; therefore, results were OC-normalized for these samples.

Results for the individual and total Aroclors are summarized below. Solids samples collected during the 2014/2015 sampling program were not analyzed for Aroclors 1262 and 1268. Individual sample results for the 2014/2015 sampling program are presented in Tables 9 and 11. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Summary of PCB Aroclors and Total PCB Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Aroclor 1016	3 / 57	5%	77	210 J	130	3.7 - 480
Aroclor 1221	0 / 57	0%	ND	ND	NA	3.7 - 480
Aroclor 1232	0 / 57	0%	ND	ND	NA	3.7 - 480
Aroclor 1242	3 / 57	5%	530	4,300	2,600	3.7 - 480
Aroclor 1248	16 / 57	28%	10	20,000	2,000	3.8 – 8,000
Aroclor 1254	33 / 57	58%	6.5	120,000	4,000	13 J - 290
Aroclor 1260	46 / 57	81%	6.5	26,000	1,000	14 – 1,100
Aroclor 1262	1 / 27	4%	2,100	2,100	2,100	3.7 - 480
Aroclor 1268	0 / 27	0%	ND	ND	NA	3.7 – 480
Total PCBs (µg/kg DW)	54 / 57	95%	16	150,000	4,000	14 - 41

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total PCBs (mg/kg OC)[a]	NA	NA	0.49	200	20	NA

[a] 13 of the 57 samples contained TOC concentrations within the 0.5% to 4.0% criteria for OC-normalization.

The table below presents a summary of the number of total PCB Aroclor results for solids samples compared to SMS criteria.

Counts of Solids Sample Results Compared to SMS Criteria for Total PCBs Aroclors

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤SCO/ LAET	>SCO/LAET, ≤CSL/2LAET	>CSL/ 2LAET	≤SCO/ LAET	>SCO/LAET, ≤CSL/2LAET	>CSL/ 2LAET
Total PCBs	54	3	25	18	11	3	0	0

In addition to the SCO/LAET and CSL/2LAET exceedances listed above, the dry weight total PCB concentrations in 23 of the 57 samples exceeded the LDW RAL for total PCBs in sediment of 240 µg/kg DW (EPA 2014). Results for individual samples compared to SMS criteria for the 2014/2015 sampling program are presented in Tables 10 and 11.

3.2.2 Metals

All 27 solids samples collected during the 2013 sampling program and all 30 solids samples collected during the 2014/2015 sampling program were analyzed for metals. Each metal was detected in at least one sample. Metals results are summarized below in mg/kg DW. Individual sample results for the 2014/2015 sampling program are presented in Table 9. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Summary of Metals Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (mg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Antimony	37 / 57	65%	0.4 J	220	20	0.2 - 0.5 J
Arsenic	57 / 57	100%	2.4	170	18	NA
Beryllium	39 / 57	68%	0.1	1.4	0.3	0.1 - 1
Cadmium	57 / 57	100%	0.1	36	4	NA
Chromium	57 / 57	100%	9.3	8,600	300	NA
Copper	57 / 57	100%	13.5	14,000	600	NA
Lead	57 / 57	100%	8.4	2,000	300	NA
Mercury	52 / 57	91%	0.019 J	7.3	0.7	0.02 - 0.06
Nickel	57 / 57	100%	8.6	5,900	200	NA
Selenium	30 / 57	53%	0.41 J	3.0	1.2	0.6 – 2.0
Silver	43 / 57	75%	0.12 J	97	4	0.2 - 0.5
Thallium	3 / 57	5%	0.22 J	0.6	0.4	0.2 - 1.7

Chemical	Detection Frequency		Detected Concentrations (mg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Zinc	57 / 57	100%	32	26,000	2,000	NA

The table below presents a summary of metals results in solids samples compared to SMS criteria.

Counts of Solids Sample Results Compared to SMS Criteria for Metals

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetect Results		
	Detects	Non-detects	≤SCO	>SCO, ≤CSL	>CSL	≤SCO	>SCO, ≤CSL	>CSL
Arsenic	57	0	55	1	1	0	0	0
Cadmium	57	0	44	4	9	0	0	0
Chromium	57	0	53	0	4	0	0	0
Copper	57	0	45	0	12	0	0	0
Lead	57	0	50	2	5	0	0	0
Mercury	52	5	37	5	10	5	0	0
Silver	43	14	41	0	2	14	0	0
Zinc	57	0	9	18	30	0	0	0

Arsenic was detected at all sampling locations. Detected concentrations in two samples exceeded the LDW RAL for arsenic in sediment, 57 mg/kg DW (EPA 2014), which is equivalent to the SCO. Individual sample results compared to SMS criteria for the 2014/2015 program are presented in Table 10. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

3.2.3 SVOCs

All 27 solids samples collected during the 2013 sampling program and all 30 solids samples collected during the 2014/2015 sampling program were analyzed for SVOCs. SVOC solids results in µg/kg DW are summarized below. Individual sample results for the 2014/2015 sampling program are presented in Table 9. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Summary of SVOC Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
PAHs						
Acenaphthene	40 / 57	70%	11 J	11,000	700	19 - 500
Acenaphthylene	23 / 57	40%	12 J	890	140	19 - 650
Anthracene	47 / 57	82%	18 J	39,000	2,000	19 - 500
Benzo(a)anthracene	56 / 57	98%	10 J	230,000	6,000	94
Benzofluoranthenes	56 / 57	98%	39	570,000	20,000	210
Benzo(g,h,i)perylene	55 / 57	96%	12 J	85,000	2,000	56 - 120
Benzo(a)pyrene	55 / 57	96%	16 J	220,000	6,000	140 - 420

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Chrysene	56 / 57	98%	20	300,000	9,000	120
Dibenzo(a,h)anthracene	45 / 57	79%	4.7	27,000	900	59 - 850
Dibenzofuran	38 / 57	67%	13 J	7,700	700	19 – 1,800
Fluoranthene	57 / 57	100%	30	640,000	20,000	NA
Fluorene	46 / 57	81%	40	16,000	1,000	19 - 500
Indeno(1,2,3-cd)pyrene	53 / 57	93%	12 J	120,000	3,000	56 - 420
1-Methylnaphthalene	39 / 57	68%	15 J	7,600	510	19 - 970
2-Methylnaphthalene	45 / 57	79%	18 J	12,000	700	19 - 580
Naphthalene	48 / 57	84%	12 J	6,000	400	1.2 - 580
Phenanthrene	57 / 57	100%	10 J	310,000	10,000	NA
Pyrene	57 / 57	100%	32	500,000	20,000	NA
Total cPAHs [a]	56 / 57	98%	23 J	318,000	9,000	110
Total HPAHs	57 / 57	100%	180 J	2,700,000	80,000	NA
Total LPAHs	57 / 57	100%	10 J	380,000	10,000	NA
Phthalates						
Bis(2-ethylhexyl)phthalate	55 / 57	96%	34	130,000	20,000	11,000 – 19,000
Butylbenzylphthalate	42 / 57	74%	7.3 J	12,000	2,000	4.7 – 7,600
Dibutyl phthalate	28 / 57	49%	13 J	35,000	2,000	19 – 19,000
Diethyl phthalate	7 / 57	12%	11 J	1,700	520	4.7 – 7,600
Dimethyl phthalate	41 / 57	72%	4.3 J	70,000	2,000	4.7 – 2,900
Di-n-octyl phthalate	40 / 57	70%	23	5,300	1,000	19 – 16,000
Phenols [b]						
2,4-Dimethylphenol	10 / 57	18%	3.8 J	150	66	19 – 3,800
4-Chloro-3-methylphenol	2 / 57	4%	700 J	17,000	9,000	78 – 3,800
2-Methylphenol	11 / 57	19%	7 J	530	100	4.7 – 3,800
4-Methylphenol	36 / 57	63%	12 J	15,000	1,000	19 – 7,600
4-Nitrophenol	1 / 57	2%	560 J	560 J	560	94 – 38,000
Pentachlorophenol	11 / 57	19%	41 J	9,500	2,000	47 J – 7,600
Phenol	34 / 57	60%	17 J	3,000	500	19 – 3,800
Other SVOCs [b]						
Benzoic Acid	6 / 57	11%	120 J	9,700	3,100	380 – 96,000
Benzyl Alcohol	22 / 57	39%	14 J	63,000	6,000	19 – 3,800
4-Bromophenyl phenyl ether	1 / 57	2%	32 J	32 J	32	19 – 3,800
Carbazole	44 / 57	77%	24	46,000	2,000	19 – 1,800
1,2-Dichlorobenzene	1 / 57	2%	3.8 J	3.8 J	3.8 J	0.6 – 2,100
1,4-Dichlorobenzene	6 / 57	11%	0.9 J	66	30	0.6 – 1,900
2,4-Dinitrotoluene	1 / 57	2%	66 J	66 J	66	78 – 3,800
Hexachlorobenzene	0 / 57	0%	ND	ND	NA	4.7 – 1,900
Hexachlorobutadiene	0 / 57	0%	ND	ND	NA	2.7 – 1,900
Hexachloroethane	1 / 57	2%	1,200	1,200	1,200	19 – 3,800
Isophorone	3 / 57	5%	44 J	110	76	19 – 3,800

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Nitrobenzene	1 / 57	2%	120 J	120 J	120	19 – 3,800
N-Nitrosodiphenylamine	34 / 57	60%	3.5 J	1,300	190	19 – 1,900
N-Nitrosodi-n-propylamine	1 / 57	2%	170 J	170 J	170	11 – 3,800
1,2,4-Trichlorobenzene	1 / 57	2%	10 J	10 J	10 J	2.7 – 1,900

[a] Total cPAHs are reported as µg-TEQ/kg. Refer to the beginning of Section 3.0 for an explanation of how total cPAHs were calculated.
[b] Table presents phenols and other SVOCs detected in one or more samples only, unless SMS criteria have been promulgated for an individual compound that was not detected.

The table below summarizes OC-normalized SVOC results for the 13 solids samples with TOC concentrations ≥0.5 and ≤ 4.0%. Only chemicals with OC-normalized SMS criteria are included.

Summary of SVOC Results for Chemicals with OC-normalized SMS Criteria (mg/kg OC)

Chemical	Detection Frequency		Detected Concentrations (mg/kg OC)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
PAHs						
Acenaphthene	8 / 13	62%	0.35 J	30.7 J	5.6	1.4 - 12
Acenaphthylene	5 / 13	38%	0.52 J	4.8 J	2.2	0.98 - 12
Anthracene	9 / 13	69%	0.63	180	27	1.4 - 12
Benzo(a)anthracene	13 / 13	100%	2.0	100	20	NA
Benzofluoranthenes	13 / 13	100%	5.7	160	50	NA
Benzo(g,h,i)perylene	12 / 13	92%	2.4	31	12	2.5
Benzo(a)pyrene	13 / 13	100%	1.4	73	20	NA
Chrysene	13 / 13	100%	6.0	147	40	NA
Dibenzo(a,h)anthracene	12 / 13	92%	0.38	11	3.7	23
Dibenzofuran	9 / 13	69%	0.41 J	35	6.6	1.7 - 58
Fluoranthene	13 / 13	100%	6.9	400	70	NA
Fluorene	8 / 13	62%	1.7	80	14	0.63 - 12
Indeno(1,2,3-cd)pyrene	11 / 13	85%	1.1 J	30	10	2.5 - 4.4
2-Methylnaphthalene	9 / 13	69%	0.68 J	18	7	1.7 - 12
Naphthalene	11 / 13	85%	0.68 J	10	4	0.14 J - 12
Phenanthrene	13 / 13	100%	4.0	360	50	NA
Pyrene	13 / 13	100%	7.3	333	69	NA
Total HPAHs	13 / 13	100%	45	1,267	240	NA
Total LPAHs	13 / 13	100%	6.2	667	90	NA
Phthalates						
Bis(2-ethylhexyl)phthalate	12 / 13	92%	2.5	240	90	355
Butylbenzylphthalate	10 / 13	77%	0.23 J	37 J	8.3	5.1 - 116
Di-n-butyl phthalate	6 / 13	46%	0.64 J	11 J	3.7	1.2 - 287
Diethyl phthalate	1 / 13	8%	1.2	1.2	1.2	0.19 - 116
Dimethyl phthalate	7 / 13	54%	0.14 J	13	3	0.15 - 12 J
Di-n-octyl phthalate	5 / 13	38%	0.73	18	9.1	0.98 - 287

Chemical	Detection Frequency		Detected Concentrations (mg/kg OC)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Other SVOCs						
1,2,4-Trichlorobenzene	0 / 13	0%	ND	ND	NA	0.12 – 29
1,2-Dichlorobenzene	0 / 13	0%	ND	ND	NA	0.025 – 32
1,4-Dichlorobenzene	1 / 13	8%	0.19 J	0.19 J	0.19 J	0.025 – 29
Hexachlorobenzene	0 / 13	0%	ND	ND	NA	0.15 – 29
Hexachlorobutadiene	0 / 13	0%	ND	ND	NA	0.12 – 29
N-Nitrosodiphenylamine	8 / 13	62%	0.11 J	4.1 J	1.8	0.62 – 29

The SMS criteria are presented in Tables 9 and 11 (OC-normalized SCO/CSL criteria). The table below summarizes the number of solids results for SVOC compounds compared to SMS criteria. SVOCs were compared to the LAET/2LAET and SCO/CSL using dry weight concentrations, as appropriate. Results for solids samples that contained TOC concentrations between 0.5 and 4.0 % were compared to the SCO/CSL for PAHs, phthalates, and the other SVOCs as appropriate using OC-normalized concentrations.

Counts of Solids Sample Results Compared to SMS Criteria for SVOCs

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤SCO/ LAET	>SCO/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET	≤SCO/ LAET	>SCO/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET
PAHs								
Acenaphthene	40	17	33	1	6	17	0	0
Acenaphthylene	23	34	23	0	0	34	0	0
Anthracene	47	10	41	1	5	10	0	0
Benzo(a)anthracene	56	1	44	4	8	1	0	0
Benzofluoranthenes	56	1	46	0	10	1	0	0
Benzo(g,h,i)perylene	55	2	38	0	17	2	0	0
Benzo(a)pyrene	55	2	47	2	6	2	0	0
Chrysene	56	1	35	12	9	1	0	0
Dibenzo(a,h)anthracene	50	12	36	8	6	6	3	3
Dibenzofuran	38	19	31	1	6	14	0	5
Fluoranthene	57	0	26	11	20	0	0	0
Fluorene	46	11	36	3	7	11	0	0
Indeno(1,2,3-cd)pyrene	53	4	40	1	12	4	0	0
2-Methylnaphthalene	45	12	39	2	4	12	0	0
Naphthalene	48	9	46	1	1	9	0	0
Phenanthrene	57	0	35	15	7	0	0	0
Pyrene	57	0	39	3	15	0	0	0
Total HPAHs	57	0	38	5	14	0	0	0
Total LPAHs	57	0	46	5	6	0	0	0

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤SCO/ LAET	>SCO/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET	≤SCO/ LAET	>SCO/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET
Total cPAHs[a]	56	1	35	NA	21	1	NA	0
Phthalates								
Bis(2-ethylhexyl)phthalate	55	2	4	5	46	0	0	2
Butylbenzylphthalate	43	16	6	14	23	1	6	9
Di-n-butyl phthalate	28	29	21	3	4	19	2	8
Diethyl phthalate	7	50	4	1	2	28	10	12
Dimethyl phthalate	41	16	14	8	19	8	1	7
Di-n-octyl phthalate	40	17	40	0	0	14	3	0
Phenols								
2,4-Dimethylphenol	10	47	3	0	7	4	0	43
2-Methylphenol	11	46	6	0	5	14	0	32
4-Methylphenol	36	21	27	0	9	11	0	10
Pentachlorophenol	11	46	7	0	4	22	7	17
Phenol	34	23	23	7	4	13	1	9
Other SVOCs								
1,2,4-Trichlorobenzene	1	56	1	0	0	22	2	32
1,2-Dichlorobenzene	1	56	1	0	0	22	2	32
1,4-Dichlorobenzene	6	51	6	0	0	27	4	20
Benzoic Acid[b]	6	48	1	0	5	3	0	45
Benzyl Alcohol[c]	22	33	6	1	15	6	4	23
Hexachlorobenzene	0	57	0	0	0	19	9	29
Hexachlorobutadiene	0	57	0	0	0	18	20	19
N-Nitrosodiphenylamine	34	23	7	1	26	4	0	19

[a] Total cPAHs are compared to the LDW RAL (see Table 9). Refer to the beginning of Section 3.0 for an explanation of how total cPAHs were calculated.
[b] Benzoic acid results were rejected for three samples.
[c] Benzyl alcohol results were rejected for two samples.

Carcinogenic PAHs were detected in 56 of the 57 solids samples. Total cPAHs for 21 solids samples exceeded the LDW RAL for cPAHs in sediment, 1,000 µg/kg DW (EPA 2014). Individual sample results compared to the RAL for total cPAHs in sediment are presented in Table 10 for samples collected during the 2014/2015 sampling program. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

3.2.4 Pesticides

Twenty-seven solids samples were collected and analyzed for pesticides during the 2013 sampling program. Pesticides were not detected in any of the solids samples collected. Individual sample results for pesticides from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Based on the results of the 2013 sampling program, analysis of pesticides was eliminated for the solids samples collected during the 2014/2015 sampling program.

3.2.5 Dioxins/Furans

During the 2013 sampling program, 16 solids samples were analyzed for dioxins/furans and at least one solids sample from each facility was analyzed for dioxins/furans. During the 2014/2015 sampling program, all 30 solids samples were analyzed for dioxins/furans. Dioxin/furan results are summarized in ng/kg below. All of the 17 individual dioxin/furan congeners were detected in one or more solids samples (Table 9).

The TEQ concentrations of the dioxin/furan congeners were normalized to the toxicity of 2,3,7,8-TCDD using TEFs updated by the World Health Organization in 2005 (Van den Berg et al. 2006) and incorporated into MTCA (Ecology 2007, WAC 173-340). The TEQ is equivalent to the sum of the concentrations of individual congeners multiplied by their TEF (toxicity relative to 2,3,7,8-TCDD). Nondetected values were assessed as half the sample-specific detection limit for nondetected congeners.

Summary of Dioxin/Furan Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (ng/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
2,3,7,8-TCDD	22 / 46	48%	0.478 J	49.0	6.58	0.205 U* - 9.7 U*
1,2,3,7,8-PeCDD	44 / 46	96%	0.277 J	434	30	0.3 - 2.22 U*
1,2,3,4,7,8-HxCDD	43 / 46	93%	1.01	1,030	56.0	0.101 - 0.527
1,2,3,6,7,8-HxCDD	46 / 46	100%	0.51 J	3010	150	NA
1,2,3,7,8,9-HxCDD	46 / 46	100%	0.366 J	1,980	100	NA
1,2,3,4,6,7,8-HpCDD	46 / 46	100%	4.64	104,000 J	472	NA
OCDD	46 / 46	100%	37.9	1,160,000 J	554	NA
2,3,7,8-TCDF	42 / 46	91%	0.514 J	78.6	11	0.206 - 0.526
1,2,3,7,8-PeCDF	42 / 46	91%	0.353 J	119	8.7	0.245 - 0.54
2,3,4,7,8-PeCDF	41 / 46	89%	0.612 J	193	14	0.235 - 2.2
1,2,3,4,7,8-HxCDF	43 / 46	93%	0.621 J	996	46	0.518 - 1.01
1,2,3,6,7,8-HxCDF	46 / 46	100%	0.324 J	931	36	NA
1,2,3,7,8,9-HxCDF	43 / 46	93%	0.257 J	227	9.70	0.195 - 2.11
2,3,4,6,7,8-HxCDF	46 / 46	100%	0.237 J	1,180	48	NA
1,2,3,4,6,7,8-HpCDF	46 / 46	100%	1.37	25,300 J	961	NA
1,2,3,4,7,8,9-HpCDF	43 / 46	93%	0.774 J	1,410	66	0.227 - 0.455
OCDF	45 / 46	98%	2.95	70,100 J	3,520	8.71
D/F TEQ, nd SDL*0.5 [a]	46 / 46	100%	1.02 J	3,160	150	NA
Total TCDD	46 / 46	100%	1.82 J	288 J	36	NA
Total TCDF	46 / 46	100%	2.32 J	1,070 J	140	NA
Total PeCDD	46 / 46	100%	2.73 J	1,780 J	129	NA
Total PeCDF	46 / 46	100%	5.37 J	6,130 J	327	NA
Total HxCDD	46 / 46	100%	5.32 J	21,400 J	1,100	NA

Chemical	Detection Frequency		Detected Concentrations (ng/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total HxCDF	46 / 46	100%	4.03 J	30,700 J	1,200	NA
Total HpCDD	46 / 46	100%	10.6	193,000	8,800	NA
Total HpCDF	46 / 46	100%	4.25 J	70,800	3,000	NA

[a] D/F TEQ, nd SDL*0.5 reported as ng-TEQ/kg. Refer to the beginning of Section 3.0 for an explanation of how the D/F TEQs were calculated.

Dioxins/furans were detected at all sampling locations. Dioxins/furans in 21 solids samples were detected at concentrations that exceeded the LDW RAL in sediment, 25 ng-TEQ/kg DW (EPA 2014). Individual sample results for the 2014/2015 sampling program compared to the RAL for dioxins/furans in sediment are presented in Table 10. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

3.2.6 Petroleum Hydrocarbons

During the 2013 sampling program, samples from 19 locations at nine facilities were analyzed for gasoline-range hydrocarbons and samples from 22 locations were analyzed for diesel- and motor oil-range hydrocarbons. At least one sample from each facility was analyzed for diesel- and motor oil-range hydrocarbons.

During the 2014/2015 sampling program, 24 solids samples (including 2 duplicate samples) from 22 locations at 12 facilities were analyzed for gasoline-range hydrocarbons and all 30 solids samples were analyzed for diesel- and motor oil-range hydrocarbons. Petroleum hydrocarbon solids results are summarized below; results are presented in mg/kg DW. Individual sample results for petroleum hydrocarbons for the 2014/2015 sampling program are presented in Table 9. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Summary of Petroleum Hydrocarbon Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (mg/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Gasoline-Range Hydrocarbons	22 / 43	51%	4.8 J	1,800 J	200	0.10 - 35
Diesel-Range Hydrocarbons	52 / 52	100%	53	28,000	3,000	NA
Motor Oil-Range Hydrocarbons	52 / 52	100%	110	56,000	10,000	NA

No regulatory criteria have been established for petroleum hydrocarbons in sediment or solids samples. The table below summarizes the number of solids results for petroleum hydrocarbons compared to the MTCA Method A soil cleanup level.

Counts of Solids Sample Results Compared to MTCA Method A Cleanup Levels for Petroleum Hydrocarbons in Soil

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetected Results	
	Detects	Non-detects	≤MTCA Method A	>MTCA Method A	≤MTCA Method A	>MTCA Method A
Gasoline-Range Hydrocarbons	22	21	10	12	21	0
Diesel-Range Hydrocarbons	52	0	28	24	0	0
Motor Oil-Range Hydrocarbons	52	0	7	45	0	0

Individual sample results compared to the MTCA Method A soil cleanup levels for petroleum hydrocarbons for the 2014/2015 sampling program are presented in Table 10. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

3.2.7 Volatile Organic Compounds

During the 2013 sampling program, solids samples collected from 19 sampling locations at nine facilities were analyzed for VOCs. During the 2014/2015 sampling program, 22 solids samples (including 2 duplicates) collected from 20 sampling location at 11 facilities were analyzed for VOCs. VOC solids results in µg/kg DW are summarized below.

Summary of Volatile Organic Compound Results

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
1,1-Dichloroethene	1 / 41	2%	0.99 J	0.99 J	0.99	0.6 – 2,800
1,2,3-Trichlorobenzene	2 / 41	5%	2.7 J	4.4 J	3.6	1.3 J – 14,000
1,2,4-Trimethylbenzene	27 / 41	66%	1.1 J	18,000	2,000	0.7 – 2,800
1,3,5-Trimethylbenzene	25 / 41	61%	0.6 J	13,000 J	1,000	0.7 – 2,800
2-Butanone	25 / 41	61%	8.4	540	100	4.7 – 14,000
2-Chlorotoluene	1 / 41	2%	67 J	67 J	67	0.6 – 2,800
2-Hexanone	4 / 41	10%	2.4 J	12	8	2.7 – 14,000
4-Isopropyltoluene	25 / 41	61%	0.4 J	1,400	100	0.7 – 2,800
4-Methyl-2-pentanone	30 / 41	73%	4.2 J	900	100	3.3 J – 14,000
Acetone	29 / 41	71%	11 J	1,700	400	3.7 – 14,000
Benzene	24 / 41	59%	0.5 J	9	3	0.6 – 2,800
Bromomethane	2 / 41	5%	0.6 J	0.8 J	0.7	0.6 – 5,600
Carbon disulfide	35 / 41	85%	0.39 J	100 J	20	0.66 – 2,800
Chloroform	4 / 41	10%	0.9 J	4.9	2	0.6 – 2,800
cis-1,2-Dichloroethene	1 / 41	2%	0.5 J	0.5 J	0.5	0.6 – 2,800
Ethylbenzene	28 / 41	68%	0.7	12,000	500	0.66 J – 2,800
Iodomethane	3 / 41	7%	0.7 J	1 J	0.8	0.6 J – 2,800
Isopropylbenzene	23 / 41	56%	0.4 J	830	80	0.7 J – 2,800
m,p-Xylene	30 / 41	73%	0.6 J	5,200	600	0.8 – 2,800

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Methylene chloride	2 / 41	5%	2	7	4	1.2 – 5,600
n-Butylbenzene	11 / 41	27%	1.8 J	5,300	1,100	0.6 – 2,800
n-Propylbenzene	19 / 41	46%	0.4 J	2,000	300	0.7 J – 2,800
o-Xylene	25 / 41	61%	1.5	7,200	500	0.8 – 2,800
sec-Butylbenzene	19 / 41	46%	0.8	1,100	100	0.7 J – 2,800
Styrene	14 / 41	34%	0.4 J	9,300	700	0.6 – 2,800
Tert-Butylbenzene	2 / 41	5%	1.2 J	1.6 J	1.4	0.6 – 2,800
Tetrachloroethene	4 / 41	10%	0.5 J	810	200	0.6 – 2,800
Toluene	32 / 41	78%	0.5 J	12,000	1,000	0.8 - 6.8 J
Total Xylenes	29 / 41	71%	0.89 J	12,200 J	1,000	0.8 – 2,800
Trichloroethene	2 / 41	5%	0.5 J	570	300	0.6 – 2,800
Trichlorofluoromethane	12 / 41	29%	0.3 J	1,900 J	200	0.66 - 270
Vinyl chloride	4 / 41	10%	1.4 J	12	5.9	0.6 – 2,800

Table presents detected VOCs only.

Individual sample results for all VOCs for the 2014/2015 sampling program are presented in Table 9. No regulatory criteria have been established for VOCs in sediment or solids samples. Individual sample results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

3.2.8 Grain Size and Conventionals

Twenty-nine of the 30 samples collected during the 2014/2015 sampling program were analyzed for grain size and TOC. All 30 samples were analyzed for total solids. Individual sample results are summarized in Table 9 for the 2014/2015 sampling program. Twenty-six of the 27 samples collected during the 2013 sampling program were analyzed for grain size and TOC. All 27 samples were analyzed for total solids. Results for samples from the 2013 sampling program are presented in the 2013 Data Report (Leidos 2015).

Summary of Grain Size, TOC, and Total Solids Results in Solids Samples

Chemical	Detection Frequency		Detected Concentrations (percent)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Grain size (% DW)						
Clay	55 / 55	100%	0.4	42.9	8	NA
Silt	55 / 55	100%	0.6	69	35	NA
Total Fines	55 / 55	100%	1	96	40	NA
Sand	55 / 55	100%	3.5	97.4	51	NA
Gravel	55 / 55	100%	0.2	40.9	6	NA
Conventionals						
TOC (% DW)	55 / 55	100%	0.495	23	9.1	NA
Total Solids (% WW)	57 / 57	100%	25.08	84.6	52.1	NA

WW – wet weight

4.0 Quality Assurance/Quality Control

Analyses were conducted following the QA/QC requirements specified in the project SAP/QAPP (Leidos 2014). The QA/QC procedures ensure that the results of the investigation are defensible and usable for their intended purpose.

4.1 Field Duplicate Samples

Field duplicate samples were collected at a rate of one per 20 normal samples collected for analysis. Two field duplicates were collected for water samples; sample CC-FD-02, collected at Chemithon, and ST-FD-02, collected at Samson Tug & Barge. Two field duplicate samples were collected for solids; sample UG-FD-01, collected at Unified Grocers, and sample WM-FD-02 collected at Waste Management Eastmont Transfer Station.

Field duplicate samples were collected at the same time and analyzed for the same chemicals as the primary sample. Field duplicate sample results are presented in each facility's appendix (Appendices N, P, V, and X) and in Tables 5 through 12. Field duplicate sample results are used to assess the precision of the sample collection process and to help determine the representativeness of the sample. The results of this assessment are discussed in the data validation report in Attachment 1. The results of the data validation are summarized below:

- Precision criteria were not met for several PCB congeners in the field duplicate samples for solids.
- Results for acetone, n-butylbenzene, and gasoline-range hydrocarbons exceeded the laboratory relative percent difference (RPD) control limit of 50% for results that are greater than five times the RL for the UG-MH-60 and UG-FD-01 solids field duplicate set.
- Results for mercury, nickel, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, carbon disulfide, ethylbenzene, m,p-xylenes, n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, toluene, benzyl alcohol, and gasoline-range hydrocarbons exceeded the laboratory RPD control limit of 50% for results that are greater than five times the RL for the WM-CB-03 and WM-FD-02 solids field duplicate set.
- Results for chromium exceeded the laboratory RPD control limit of 50% for results that are greater than five times the RL for the ST-TS-01 and ST-FD-02 water field duplicate set.

All precision criteria were met for dioxins/furans and conventional parameters analyzed in solids and water and SVOCs, PCB congeners analyzed in water; and PCB Aroclors and diesel- and motor oil-range hydrocarbons analyzed in solids.

Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

4.2 Rinse Blanks

Four equipment rinse blank samples were collected. Analysis of the rinse blanks was used to measure the effectiveness of the decontamination procedures for the sampling equipment. The rinse blank samples consist of reagent grade water provided by TestAmerica or Vista rinsed across sample collection and processing equipment.

Rinse blank samples for were analyzed for the same chemicals as the solids and water samples. If chemicals were detected in the rinse blank samples, the detected concentrations were compared to the associated sample results to evaluate the potential for cross contamination. Action levels were established at five times the blank concentration and 10 times the blank concentration for laboratory contaminants. Positive results in the associated samples that were less than the action level are qualified as not-detected. The rinse blank results are discussed in the data validation report (Attachment 1). The results of the data validation are summarized below:

- Results for PCB-1, PCB-2, PCB-47, and PCB-52/69 in water sample CS-TS-01 were qualified as not detected due to rinse blank contamination. Results for PCB-3 in water samples CS-TS-01 and CS-SP-01 were qualified as not detected due to rinse blank contamination.
- Toluene and m,p-xylene were detected in sample QC-EB-01. However, no solids or water samples collected during the concurrent field effort were analyzed for VOCs; therefore no data were qualified.
- Results for benzoic acid, benzyl alcohol, dibutyl phthalate, and phenol in water sample CS-TS-01 were qualified as not detected due to rinse blank contamination.
- Results for benzoic acid, benzyl alcohol, bis(2-ethylhexyl)phthalate (BEHP), m,p-cresol, and phenol in water sample CS-SP-01 were qualified as not detected due to rinse blank contamination.
- Results for benzyl alcohol in water samples BD-MH-1.32 and BD-MH-12.56 were qualified as not detected due to rinse blank contamination.
- The result for total copper in water sample BD-MH-12.56 was qualified as not detected due to rinse blank contamination.
- Zinc and motor oil-range hydrocarbons were detected in QC-EB-01; however, associated sample results were greater than the action level of 5x greater than the rinse blank concentration; no data were qualified.

No target analytes were detected in the rinse blank samples submitted for dioxins/furans and PCB Aroclors and conventionals.

4.3 Data Validation

All chemical results gathered during this investigation were independently validated by EcoChem, Inc. of Seattle, WA. A summary-level, EPA Stage 2A data validation was performed on all chemistry results. Data validation was performed following EPA guidance (EPA 1994, 2008, 2009, 2010). The results of the data validation are summarized below. Additional details, including a list of all qualified results, are presented in Attachment 1.

Twenty results for 3,3'-dichlorobenzene and 4-chloroaniline were rejected during data validation because of low laboratory control sample/laboratory control sample duplicate (LCS/LCSD), and matrix spike/matrix spike duplicate (MS/MSD). Rejected results should not be used for any purpose. All other results were considered acceptable, as qualified. Issues resulting in data qualification are summarized below.

Results for 221 various chemicals were J- or UJ-qualified as estimated because of calibration, calibration verification, sample handling, MS/MSD recoveries, LCS/LCSD recoveries, chemical and/or matrix interference, compound identification criteria, precision, standard reference material, internal standard, and/or surrogate recoveries, or duplicate relative percent differences were outside of control limits. A full list of qualified results including the reason for data qualification is presented in the data validation report.

Forty-nine results for 21 chemicals were re-qualified as non-detect at elevated RLs because of method blank contamination, including the following results:

- 1 result for diesel-range hydrocarbons, hexachlorobutadiene, mercury, n-butylbenzene, PCB-18, PCB-20/21/33, PCB-28, PCB-31, PCB-47, PCB-61/70, tert-butylbenzene, and tetrachloroethene;
- 2 results for BEHP, cadmium, dibutyl phthalate;
- 3 results for PCB-16/32;
- 5 results for gasoline-range hydrocarbons;
- 6 results for butylbenzylphthalate;
- 8 results for PCB-11; and
- 9 results for diethyl phthalate.

One-hundred-five results for 48 chemicals were re-qualified as non-detect because of trip or rinse blank contamination, including the following results:

- 1 result for 4-methylphenol, BEHP, copper, dibutyl phthalate, PCB-1, PCB-2, PCB-22, PCB-47, PCB-56/60, PCB-158/160;
- 2 results for benzoic acid, phenol, PCB-3, PCB-37, PCB-74, PCB-87/117/125, PCB-128/162, PCB-132/161, PCB-139/149, PCB-141, PCB-146/165, PCB-151, PCB-156, PCB-174, PCB-177, PCB-179, PCB-183, PCB-199;
- 3 results for PCB-16/32, PCB-41/64/71/72, PCB-43/49, PCB-44, PCB-66/76, PCB-84/92, PCB-90/101, PCB-95/98/102; PCB-105, PCB-106/118, PCB-110, PCB-138/163/164, PCB-153, PCB-170, PCB-180, PCB-182/187, PCB-194; and
- 4 results for benzyl alcohol, PCB-52/69.

Vista qualified some dioxin/furan and PCB congener results with EMPC because not all method-required compound identification parameters were met. EcoChem re-qualified the EMPC values as not detected (U) to indicate that the result is not detected at an elevated reporting limit. EcoChem qualified the EMPC values for total homolog groups as estimated (J) at the reported values.

5.0 References

Ecology. 2007. *Model Toxics Control Act Cleanup regulation, Chapter 173-340, as amended October 12, 2007.* Washington State Department of Ecology, Lacey, WA. November 2007.

EPA (U.S. Environmental Protection Agency). 1994. *USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review.* EPA 540/R-94/013. Office of Emergency and Remedial Response. February 1994..

EPA. June 2008. *USEPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review*. EPA-540-R-08-01. Office of Emergency and Remedial Response. June 2008.

EPA. 2009. *Guidance for labeling externally validated laboratory analytical data for Superfund use.* EPA-540-R-08-005. Office of Emergency and Remedial Response. January 2009.

EPA. 2010. *USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*. EPA 540-R-10-011. Office of Emergency and Remedial Response. January 2010.

EPA. 2014.*Record of Decision, Lower Duwamish Waterway Superfund Site.* Office of Environmental Cleanup. November 2014.

Leidos. 2014. *LDW NPDES Inspection Sampling Support Project, Sampling and Analysis Plan and Quality Assurance Project Plan.* Revision 2. Prepared for the Washington State Department of Ecology. September 2014.

Leidos. 2015. *Lower Duwamish Waterway NPDES Inspection Sampling Support, Technical Memorandum.* Prepared for the Washington State Department of Ecology. January 2015.

Michelsen, T.C. and Bragdon-Cook, K. 1993. *Technical information memorandum: Organic carbon normalization of sediment data.* Washington State Department of Ecology, Olympia, WA.

PSEP (Puget Sound Estuary Program). 1997a. *Recommended Protocols for Measuring Selected Environmental Variables in Puget Sound.* U.S. Environmental Protection Agency, Region 10, Seattle, WA, for Puget Sound Estuary Program. April 1997.

PSEP. 1997b. *Recommended Guidelines for Measuring Metals in Puget Sound Water, Sediment, and Tissue Samples.* U.S. Environmental Protection Agency, Region 10, Seattle, WA, for Puget Sound Estuary Program. April 1997.

PSEP. 1997c. *Recommended Guidelines for Measuring Organic Compounds in Puget Sound Sediment and Tissue Samples.* U.S. Environmental Protection Agency, Region 10, Seattle, WA, for Puget Sound Estuary Program. April 1997.

SPU (Seattle Public Utilities). 2010. *Seattle Public Utilities Source Control Program for the Lower Duwamish Waterway, December 2010 Progress Report.* December 2010.

Van den Berg, M., L.S. Bimbaum, M. Denison, M. De Vito, W. Farland, M. Feeley, H. Fiedler, H. Hakansson, A. Hanberg, L. Haws, M. Rose, S. Safe, D. Schrenk, C. Tohyama, A. Tritscher, J. Tuomisto, M. Tysklind, N. Walker, and R. Peterson. 2006. *The 2005 World Health Organization Re-Evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds.* Prepared for the World Health Organization (WHO). ToxSci Advance Access published July 7, 2006. Published by Oxford University Press on behalf of the Society of Toxicology.

This page intentionally left blank.

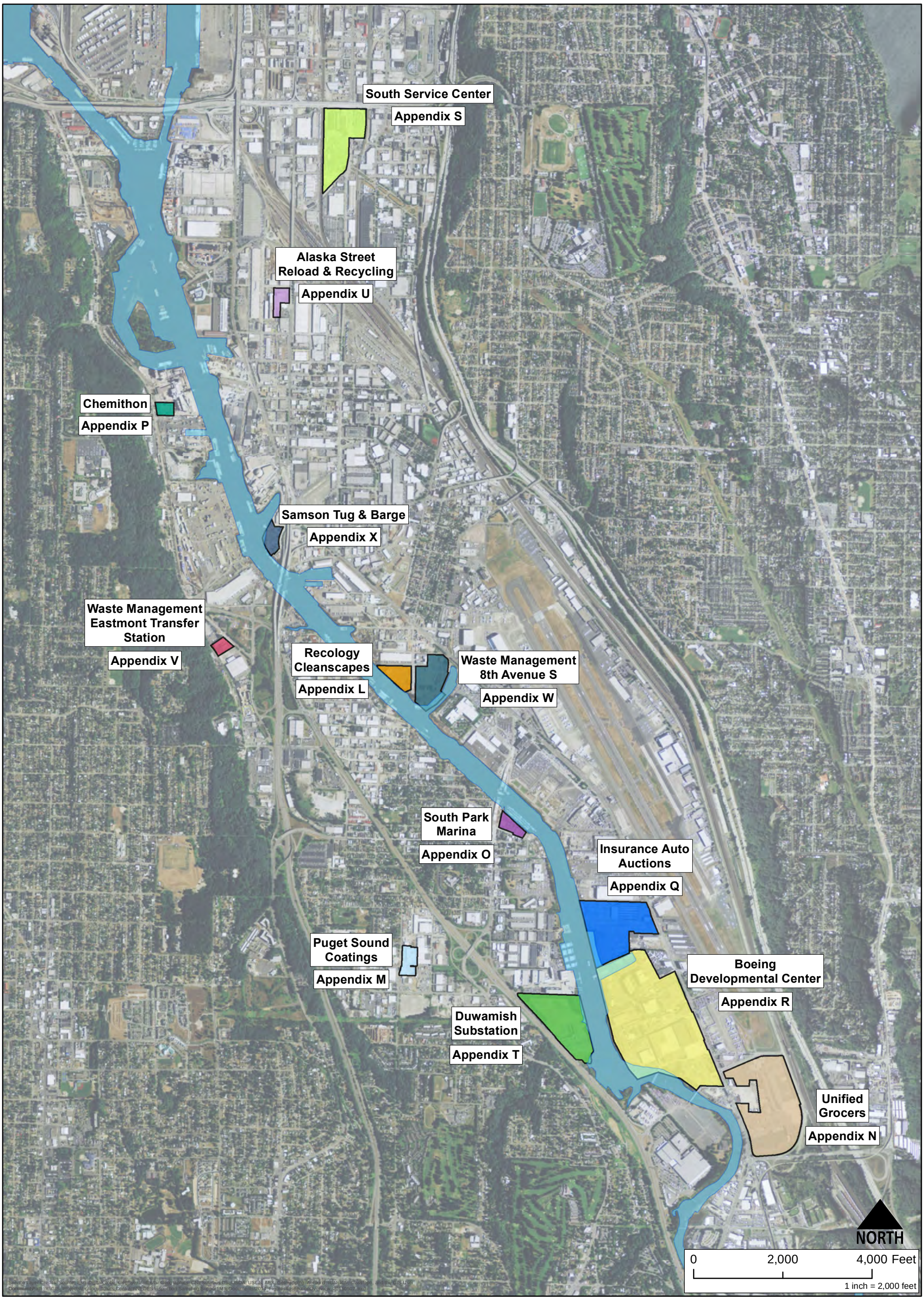

Figure 1. LDW NDPES Inspection Sampling Support – 2014/2015 Facilities

Tables

Table 1. Sample Location Information, NDPES Inspection Sampling Support

Facility	Location	Date	Water Sample Collected?	Solids Sample Collected?	State Plane X (North Zone)	State Plane Y (North Zone)	Location Description
Recology CleanScapes (CS)	CS-CB-01	9/3/2014	NO	YES	1272192.8	199386.3	Catch basin in the north yard near truck parking area
	CS-SP-01	9/3/2014	YES	NO	1271852.1	199429.6	Sump D in the northwest corner of the property
	CS-TS-01	9/3/2014	YES	NO	1271863.6	199488.2	Sampling port of the north yard SW treatment system
Puget Sound Coatings (PS)	PS-OS-01	9/9/2014	YES	NO	1272678.8	193190.4	SW treatment system bypass manhole, downstream of PS-TS-01
	PS-TS-01	9/9/2014	YES	YES	1272667.0	193181.3	Sump just upstream of SW treatment system in the northeast corner of the facility
Unified Grocers (UG)	UG-MH-60	9/11/2014	YES	YES	1280433.1	190583.3	Manhole in the northern portion of the property
	UG-FD-01	9/11/2014	NO	YES	1280433.1	190583.3	Duplicate of UG-MH-60
	UG-MH-76	9/11/2014	NO	YES	1280817.2	189490.9	Manhole in the central portion of the property
South Park Marina (SP)	SP-CB-09	10/8/2014	NO	YES	1274674.4	196006.6	Catch basin in the boat storage area, NW portion of facility; also referred to as SP-OWS-09
	SP-OWS-01	10/8/2014	YES	YES	1275077.0	195802.2	Oil/water separator in the SE corner of the property
Chemithon (CC)	CC-A-01	10/13/2014	YES	YES	1267223.9	205127.2	Sump/vault in the SE corner of the property
	CC-FD-02	10/13/2014	YES	NO	1267223.9	205127.2	Field duplicate of CC-A-01
	CC-CB-04	10/13/2014	NO	YES	1267147.8	205182.9	Catch basin upstream of vault CC-A-01
	CC-CB-22	10/13/2014	NO	YES	1267215.9	205347.4	Composite sample from four catch basins in the NE portion of the property
Insurance Auto Auctions (IA)	IA-CBN-60	10/20/2014	YES	NO	1276413.2	194205.2	Catch basin in the NW portion of the property
	IA-CV-01	10/20/2014	YES	NO	1276503.8	193723.5	Vault upstream of the Vortech unit, which receives drainage from the north parcel (southern side)
	IA-MHS-05	10/20/2014	YES	NO	1277362.6	193102.2	Manhole S5 in the SE portion of the property

Table 1. Sample Location Information, NDPES Inspection Sampling Support

Facility	Location	Date	Water Sample Collected?	Solids Sample Collected?	State Plane X (North Zone)	State Plane Y (North Zone)	Location Description
Boeing Developmental Center (BD)	BD-MH-1.32	12/22/2014	YES	NO	1279039.0	190265.9	Manhole in the southern portion of the property; flows to OWS-01 then discharges to outfall DC1.
	BD-MH-5.16	12/15/2014	YES	NO	1277901.0	190609.1	Manhole near the SW bank; discharges to outfall DC5
	BD-MH-9.66	12/3/2014	NO	YES	1277254.4	190866.8	Manhole on the W side of the property; flows to OWS-9, which discharges at outfall DC9
	BD-MH-10.9	12/3/2014	NO	YES	1277086.2	191386.3	Manhole on the W side of the property; flows to OWS-10, then discharges to outfall DC10.
	BD-MH-11.31	12/15/2014	YES	NO	1277029.6	191597.3	Manhole in the W/NW portion of the property, upstream of OWS-11, which discharges to outfall DC11
	BD-MH-12.56	12/22/2014	YES	NO	1277141.3	191715.4	Manhole in the W/NW portion of the property; discharges to outfall DC12
	BD-MH-13.43	12/2/2014	NO	YES	1277016.2	191918.6	Manhole in the W/NW area of the property; flow is to OWS-13, which discharges to outfall DC13.
	BD-OWS-02	12/3/2014	YES	NO	1278540.9	190444.9	Effluent chamber of oil/water separator OWS-2 in the SW portion of the property; discharges to outfall DC2
	BD-OWS-14	12/22/2014	YES	NO	1277077.2	192546.7	Influent chamber of OWS-14, which discharges to outfall DC14
	BD-OWS-15	12/3/2014	NO	YES	1277642.0	192875.1	Oil/water separator in the north portion of the property; discharges to outfall DC15
South Service Center (Seattle City Light) (SC)	SC-CB-24	12/11/2014	NO	YES	1270760.3	211330.8	Catch basin in the east-central area of the property north of salvage/scrap yard
	SC-CB-35	12/11/2014	NO	YES	1270671.4	210979.7	Catch basin upstream of MH17 and OWS-D
	SC-MH-20	12/11/2014	YES	NO	1270609.1	210232.4	Manhole upstream of OWS-D
	SC-OWS-05	12/11/2014	NO	YES	1270624.8	210217.4	Chamber 2 of oil/water separator OWS-D

Table 1. Sample Location Information, NDPES Inspection Sampling Support

Facility	Location	Date	Water Sample Collected?	Solids Sample Collected?	State Plane X (North Zone)	State Plane Y (North Zone)	Location Description
Duwamish Substation (Seattle City Light) (DS)	DS-CB-F3	12/16/2014	YES	NO	1276128.1	190875.8	Manhole in the SW area of the property, upstream of oil/water separator OWS-F
	DS-CB-H1	12/16/2014	NO	YES	1276224.1	191161.1	Catch basin in the central portion of the property
	DS-CB-I3	12/16/2014	NO	YES	1276193.0	191493.4	Catch basin in the north portion of the property
	DS-TD-01	12/16/2014	NO	YES	1276145.7	191128.4	Composite sample from trench drains at bank 77, 78, and 79
Alaska Street Reload & Recycling (AS)	AS-CB-02	1/20/2015	NO	YES	1269713.0	207894.2	Catch basin in the northern portion of the property
	AS-CB-05	1/20/2015	NO	YES	1269743.5	207650.3	Catch basin in the southern portion of the facility
	AS-CB-UNK	1/20/2015	YES	NO	1269599.2	207997.5	Offsite catch basin north of the fenceline in the NW portion of the property
Waste Management - Eastmont Transfer Station (WM)	WM-CB-03	1/22/2015	NO	YES	1268421.2	199915.5	Catch basin in the SE area of the property
	WM-FD-02	1/22/2015	NO	YES	1268421.2	199915.5	Duplicate of WM-CB-03
	WM-FT-1B	1/22/2015	YES	NO	1268388.5	200105.7	Stormwater storage/settling tank in the NE portion of the property
Waste Management - 8th Avenue S (WM)	WM-CB-11	2/3/2015	YES	NO	1272693.4	198694.6	Catch basin at the SW corner of the property
	WM-CB-21	2/3/2015	NO	YES	1272817.2	198699.4	Catch basin in the southern portion of the facility
	WM-CB-52	2/3/2015	NO	YES	1273178.4	199006.8	Sediment sock in catch basin in the E portion of the facility
	WM-MH-61	2/3/2015	NO	YES	1273318.6	199299.7	Manhole in the NE portion of the property
Samson Tug & Barge (ST)	ST-CB-04A	2/10/2015	NO	YES	1269388.2	202069.2	Catch basin directly upstream of the SW treatment system
	ST-CB-08	2/10/2015	NO	YES	1269384.8	202618.8	Catch basin in the northern portion of the facility; discharges to the sanitary sewer.
	ST-OF-01	2/10/2015	YES	NO	1269363.7	202040.1	Outfall on the SW bank of the facility
	ST-FD-02	2/10/2015	YES	NO	1269370.8	202080.0	Duplicate of ST-TS-01
	ST-TS-01	2/10/2015	YES	NO	1269370.8	202080.0	Sampling port of the SW treatment system

Table 2. Analytical Sample Count - Water
NPDES Inspection Sampling Support

Facility	Location	Date Sampled	Metals (Total)	Mercury (Total, Dissolved)	Chromium, hexavalent	PCB Congeners	Dioxins/ Furans	SVOCs	Alkalinity/ Carbonate/ Bicarbonate	Anions	Specific Conductance	pH	Salinity	Total Organic Carbon	Dissolved Organic Carbon	Total Suspended Solids	Turbidity	Oil & Grease
Analytical Method			EPA 200.8	EPA 245.1 / SW7470A	EPA 3500-Cr	EPA 1668C	EPA 1613B	SW 8270D	SM 2320 / EPA 310.1	EPA 300.0	EPA 120.1	SM 4500H+B	SM 2520	SM 5310B	SM 5310B	SM 2540D	SM 2130B	EPA 1664A
AS - Alaska Street Reload	AS-CB-UNK	1/20/2015	●	●		●	●	●	●	●	●	●		●	●	●		
BD - Boeing Developmental Center	BD-MH-1.32	12/3/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	BD-MH-11.31	12/15/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	BD-MH-12.56	12/15/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	BD-MH-5.16	12/22/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	BD-OWS-02	12/22/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	BD-OWS-14	12/22/2014	●	●		●	●	●	●	●	●	●		●	●	●		
CC - Chemithon	CC-A-01	10/13/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	CC-FD-02	10/13/2014	●	●		●	●	●	●	●	●	●		●	●	●		
CS - Recology Cleanscapes	CS-SP-01	9/3/2014	●	●		●	●	●	●	●	●	●		●		●		
	CS-TS-01	9/3/2014	●	●		●	●	●	●	●	●	●		●		●		
DS - Duwamish Substation (Seattle City Light)	DS-CB-F3	12/16/2014	●	●		●	●		●	●	●	●		●	●	●		
IA - Insurance Auto Auctions	IA-CBN-60	10/20/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	IA-CV-01	10/20/2014	●	●		●	●	●	●	●	●	●		●	●	●		
	IA-MHS-05	10/20/2014	●	●		●	●	●	●	●	●	●		●	●	●		
PS - Puget Sound Coatings	PS-OS-01	9/9/2014	●	●	●	●	●	●	●	●	●	●		●		●		
	PS-TS-01	9/9/2014	●	●	●	●	●	●	●	●	●	●		●	●	●		
SC - South Service Center (Seattle City Light)	SC-MH-20	12/11/2014	●	●		●	●	●	●	●	●	●		●	●	●		
SP - South Park Marina	SP-OWS-01	10/8/2014	●	●		●	●	●	●	●	●	●		●	●	●	●	●
ST - Samson Tug & Barge	ST-TS-01	2/10/2015	●	●		●	●	●	●	●	●	●		●	●	●		
	ST-FD-02	2/10/2015	●	●		●	●	●	●	●	●	●		●	●	●		
	ST-OF-01	2/10/2015	●	●		●	●	●	●	●	●	●	●	●	●	●		
UG - Unified Grocers	UG-MH-60	9/11/2014	●	●		●	●	●		●	●	●		●	●	●		
WM - Waste Management Eastmont Transfer Station	WM-FT-1B	1/22/2015	●	●		●	●	●	●	●	●	●		●	●	●		
WM8 - Waste Management - 8th Avenue S	WM-CB-11	2/3/2015	●	●		●	●	●	●	●	●	●		●	●	●		
		Total	25	25	2	25	25	24	24	25	25	25	1	25	22	25	1	1

A bullet (●) indicates sample was analyzed for the listed parameter.

Alkalinity, bicarbonate, and carbonate were analyzed by method EPA 310.1 for the following samples: CC-A-01, CC-FD-02, CS-SP-01, CS-TS-01, IA-CBN-60, IA-CV-01, IA-MHS-05, and SP-OWS-01.

Chloride and sulfate were not analyzed by method EPA 300.0 for sample BD-OWS-02.

Samples PS-OS-01 and PS-TS-01 were analyzed for N-Nitrate by method EPA 353.2.

Table 3. Analytical Sample Count - Solids
NPDES Inspection Sampling Support

Facility	Location	Date	Metals (Total)	Mercury	PCB Aroclors	PCB Congeners	Dioxins/ Furans	SVOCs	VOCs	TPH - Diesel/ Motor Oil	TPH - Gasoline	Grain size	Total Organic Carbon
Analytical Method			**SW 6020**	**SW 7471A**	**EPA 8082**	**EPA 1668C**	**EPA 1613B**	**SW 8270C/D**	**SW 8260B/C**	**NWTPH-Dx**	**NWTPH-Gx**	**PSEP Plumb 1981**	**PSEP 9060**
AS - Alaska Street Reload	AS-CB-02	1/20/2015	●	●	●	●	●	●	●	●	●	●	●
	AS-CB-05	1/20/2015	●	●	●	●	●	●	●	●	●	●	●
	AS-CB-UNK	1/20/2015	●	●	●	●	●	●	●	●	●	●	●
BD - Boeing Developmental Center	BD-MH-9.66	12/3/2014	●	●	●	●	●	●	●	●	●	●	●
	BD-OWS-15	12/3/2014	●	●	●	●	●	●	●	●	●	●	●
	BD-MH-10.9	12/3/2014	●	●	●	●	●	●	●	●	●	●	●
	BD-MH-13.43	12/2/2014	●	●	●	●	●	●	●	●	●	●	●
CC - Chemithon	CC-CB-22	10/13/2014	●	●	●	●	●	●		●		●	●
	CC-CB-04	10/13/2014	●	●	●	●	●	●	●	●	●	●	●
	CC-A-01	10/13/2014	●	●	●	●	●	●		●			
CS - Recology CleanScapes	CS-CB-01	9/3/2014	●	●	●	●	●	●		●		●	●
DS - Duwamish Substation (Seattle City Light)	DS-TD-01	12/16/2014	●	●	●	●	●	●	●	●	●	●	●
	DS-CB-I3	12/16/2014	●	●	●	●	●	●		●	●	●	●
	DS-CB-H1	12/16/2014	●	●	●	●	●	●		●	●	●	●
PS - Puget Sound Coatings	PS-TS-01	9/9/2014	●	●	●	●	●	●	●	●	●	●	●
ST - Samson Tug & Barge	ST-CB-08	2/10/2015	●	●	●	●	●	●	●	●	●	●	●
	ST-CB-04A	2/10/2015	●	●	●	●	●	●	●	●	●	●	●
SP - South Park Marina	SP-OWS-01	10/8/2014	●	●	●	●	●	●	●	●	●	●	●
	SP-CB-09	10/8/2014	●	●	●	●	●	●	●	●	●	●	●
SC - South Service Center (Seattle City Light)	SC-CB-24	12/11/2014	●	●	●	●	●	●	●	●	●	●	●
	SC-CB-35	12/11/2014	●	●	●	●	●	●	●	●	●	●	●
	SC-OWS-05	12/11/2014	●	●	●	●	●	●		●		●	●
UG - Unified Grocers	UG-MH-60	9/11/2014	●	●	●	●	●	●	●	●	●	●	●
	UG-FD-01	9/11/2014	●	●	●	●	●	●	●	●	●	●	●
	UG-MH-76	9/11/2014	●	●	●	●	●	●	●	●	●	●	●
WM - Waste Management Eastmont Transfer Station	WM-CB-03	1/22/2015	●	●	●	●	●	●	●	●	●	●	●
	WM-FD-02	1/22/2015	●	●	●	●	●	●	●	●	●	●	●
WM8 - Waste Management - 8th Avenue S	WM-MH-61	2/3/2015	●	●	●	●	●	●		●		●	●
	WM-CB-52	2/3/2015	●	●	●	●	●	●	●	●	●	●	●
	WM-CB-21	2/3/2015	●	●	●	●	●	●		●		●	●
		Total	30	30	30	30	30	30	22	30	24	29	29

A bullet (●) indicates sample was analyzed for the listed parameter.

No solids samples were collected at Insurance Auto Auctions.

Table 4. Water Quality Data - Field Measurements
NPDES Inspection Sampling Support

		Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14
		Collection Date	1/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014
Analyte	**ISGP Benchmark**	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Flow	--	Yes/No	No	No	No	No	No	No	No
pH	5.0 to 9.0	std units	7.3	6.3	5.9	6.0	6.0	**9.3**	6.1
Conductivity	--	mS/cm	0.27	0.05	0.59 a	3.7 b	0.80	0.10 a	1.1
Temperature	--	degrees C	9.0	10.1	7.6	7.3	10.0	9.5	9.3
Total Dissolved Solids	--	mg/L	170	29	379	2,380	511	65	696
Turbidity	25	NTU	**545**	**121**	7.0	3.0	2.8	1.6	2.5
Oil & Grease	No visible sheen	Yes/No	**Yes**	No	No	No	No	No	No
Dissolved Oxygen	--	mg/L	7.6	7.4	23	14	9.1	17	11
ORP	--	mV	174	192	208	159	217	125	172

Results in **bold** exceed the ISGP benchmark.

a - Field form incorrectly lists units as S/cm; should be mS/cm

b - Field form incorrectly lists units a uS/cm; should be mS/cm

c - Field form incorrectly lists units as g/L; should be mg/L

d - Conductivity values on field form appear to be incorrect and are not reported here.

Field parameter measurements were not collected at Samson Tug & Barge due to equipment malfunction.

Table 4. Water Quality Data - Field Measurements
NPDES Inspection Sampling Support

		Location ID	CC-A-01	CS-TS-01	CS-SP-01	DS-CB-F3	IA-MHS-05	IA-CBN-60	IA-CV-01
		Collection Date	10/13/2014	9/3/2014	9/3/2014	12/16/2014	10/20/2014	10/20/2014	10/20/2014
Analyte	**ISGP Benchmark**	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Flow	--	Yes/No	No	Yes	No	No	No	No	No
pH	5.0 to 9.0	std units	7.1	5.8	5.7	5.6	7.5	6.7	6.3
Conductivity	--	mS/cm	0.21 a	0.18 a	0.16	0.07	-- d	-- d	-- d
Temperature	--	degrees C	17.8	18.6	19.9	10.8	16.5	16.2	16.6
Total Dissolved Solids	--	mg/L	na	na	na	46	50	30	30
Turbidity	25	NTU	18	10	25	0.0	0.0	0.0	**34**
Oil & Grease	No visible sheen	Yes/No	No	No	**Yes**	No	No	No	**Yes**
Dissolved Oxygen	--	mg/L	9.4 c	na	3.5 c	11	13	12	12
ORP	--	mV	259	na	na	209	46	106	133

Results in **bold** exceed the ISGP benchmark.

a - Field form incorrectly lists units as S/cm; should be mS/cm

b - Field form incorrectly lists units a uS/cm; should be mS/cm

c - Field form incorrectly lists units as g/L; should be mg/L

d - Conductivity values on field form appear to be incorrect and are not reported here.

Field parameter measurements were not collected at Samson Tug & Barge due to equipment malfunction.

Table 4. Water Quality Data - Field Measurements
NPDES Inspection Sampling Support

		Location ID	PS-TS-01	PS-OS-01	SC-MH-20	SP-OWS-01	UG-MH-60	WM-FT-1B	WM-CB-11
		Collection Date	9/9/2014	9/9/2014	12/11/2014	10/8/2014	9/11/2014	1/22/2015	2/3/2015
Analyte	**ISGP Benchmark**	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Flow	--	Yes/No	No	No	Yes	No	No	No	No
pH	5.0 to 9.0	std units	6.7	7.5	**9.6**	6.4	6.6	6.8	6.5
Conductivity	--	mS/cm	0.24 a	0.22 a	0.034 b	0.11 a	0.22 a	0.36	0.09
Temperature	--	degrees C	19.6	19.4	11.0	19.1	18.8	9.9	9.3
Total Dissolved Solids	--	mg/L	na	na	na	na	na	230	na
Turbidity	25	NTU	7.2	**342**	**27**	14	**88**	**65**	**479**
Oil & Grease	No visible sheen	Yes/No	No	No	No	No	No	No	No
Dissolved Oxygen	--	mg/L	8.9	7.4	11	9.9	4.0	1.4	11
ORP	--	mV	na	na	na	224	na	200	na

Results in **bold** exceed the ISGP benchmark.

a - Field form incorrectly lists units as S/cm; should be mS/cm

b - Field form incorrectly lists units a uS/cm; should be mS/cm

c - Field form incorrectly lists units as g/L; should be mg/L

d - Conductivity values on field form appear to be incorrect and are not reported here.

Field parameter measurements were not collected at Samson Tug & Barge due to equipment malfunction.

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02
						Collection Date	1/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Metals (µg/L)															
Antimony	--	--	--	--	--		**5.0**	**3.3**	**0.097 J**	**0.10 J**	**0.17 J**	**2.9**	**0.23 J**	**1.5**	**1.3**
Arsenic	150	36	69	--	--		6.9	1.0	0.91 J	0.88 J	0.83 J	< 1.0 U	0.82 J	1.8	1.5
Beryllium	--	--	--	--	--		**0.20** J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
Cadmium	2.1	9.4	42	--	--		**0.52**	**0.18 J**	< 0.050 U	< 0.059 U	< 0.40 U	**0.081 J**	< 0.40 U	**0.24 J**	**0.23 J**
Chromium	--	--	--	--	--		**27**	**0.77**	**0.96**	**0.29 J**	**0.45**	**1.1**	**0.37 J**	**1.1**	**1.2**
Chromium, hexavalent	--	--	--	--	--		na	na	na	na	na	na	na	na	na
Copper	14	3.7	5.8	--	--		**65**	**5.8**	**1.9**	**0.80 J**	< 1.5 U	**3.3**	**1.9**	**12**	**12**
Lead	81.6	8.5	221	--	--		**57**	**2.4**	**0.76**	**0.11 J**	**0.17 J**	**0.72**	**0.23 J**	**1.7**	**1.6**
Mercury	1.4	0.025	2.1	--	--		**0.25**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	--	8.3	75	--	--		**23**	1.7 J	**0.74 J**	**0.63 J**	**1.3 J**	**0.77 J**	**0.78 J**	**7.5**	**7.6**
Selenium	5	71	291	--	--		**1.2**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Silver	3.8	--	2.2	--	--		**0.13 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
Thallium	--	--	--	--	--		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Zinc	117	86	95	--	--		**180**	**54**	**15**	**4.7**	**17**	**130**	**28 J**	**70**	**68**
PCB Congeners (ug/L) [a]															
Total PCB Congeners	--	0.03	10	1.70E-04	6.40E-05		**0.138 J**	**2.52E-04**	**0.0107**	**0.00191**	**9.56E-05 J**	**0.0536 J**	**1.64E-04 J**	**0.0101 J**	**0.0103 J**
PCB TEQ, nd SDL*0	--	0.03	10	--	--		**6.66E-06 J**	**1.00E-07 J**	**6.00E-07 J**	**3.80E-09 J**	0.00E+00 U	**1.10E-06 J**	**5.00E-11 J**	**1.79E-06 J**	**1.90E-06 J**
PCB TEQ, nd SDL*0.5	--	0.03	10	--	--		**6.66E-06 J**	**1.20E-07 J**	**6.40E-07 J**	**1.40E-07 J**	8.60E-08 U	**1.10E-06 J**	**9.20E-08 J**	**1.86E-06 J**	**1.99E-06 J**
PCB TEQ, nd SDL*1	--	0.03	10	--	--		**6.72E-06 J**	**1.30E-07 J**	**6.70E-07 J**	**2.90E-07 J**	1.70E-07 U	**1.20E-06 J**	**1.80E-07 J**	**1.93E-06 J**	**2.08E-06 J**
Dioxins and Furans (pg/L) [a]															
2,3,7,8-TCDD	--	--	--	0.014	0.0051		< 1.09 U	< 0.770 U	< 1.66 U	< 0.938 U	< 1.11 U	< 0.895 U	< 1.11 U	< 1.51 U	< 1.30 U
1,2,3,7,8-PeCDD	--	--	--	--	--		**2.22 J**	< 1.28 U	< 1.53 U	< 1.06 U	< 0.734 U	< 0.907 U	< 1.78 U	< 0.930 U	< 0.770 U
1,2,3,4,7,8-HxCDD	--	--	--	--	--		**3.43 J**	< 2.53 U	< 5.11 U	< 2.18 U	< 1.91 U	< 1.75 U	< 2.84 U	< 2.40 U	< 2.24 U
1,2,3,6,7,8-HxCDD	--	--	--	--	--		**10.3 J**	< 4.57 U	< 4.77 U	< 2.21 U	< 1.86 U	< 1.87 U	< 5.66 U	< 2.56 U	< 2.31 U
1,2,3,7,8,9-HxCDD	--	--	--	--	--		**7.53 J**	< 2.72 U	< 5.08 U	< 2.04 U	< 2.00 U	< 2.10 U	< 3.15 U	< 2.67 U	< 2.44 U
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--		**224**	**3.84 J**	**35.4**	**11.5 J**	< 3.98 U	< 2.30 U*	**8.54 J**	**5.83 J**	**5.82 J**
OCDD	--	--	--	--	--		**2140**	**26.3 J**	**250**	**88.8**	**10.7 J**	**16.6 J**	**57.4**	**33.7 J**	**33.9 J**
2,3,7,8-TCDF	--	--	--	--	--		**3.73 J**	< 0.745 U	< 1.24 U	< 0.776 U	< 0.795 U	< 0.751 U	< 0.731 U	< 0.998 U	< 1.73 U
1,2,3,7,8-PeCDF	--	--	--	--	--		**3.57 J**	< 0.611 U	< 1.40 U	< 0.829 U	< 0.558 U	< 1.01 U	< 0.784 U	< 1.38 U	< 1.44 U
2,3,4,7,8-PeCDF	--	--	--	--	--		**3.88 J**	< 0.66 U	< 1.54 U	< 0.506 U	< 0.594 U	< 0.994 U	< 0.893 U	< 1.06 U	< 1.69 U
1,2,3,4,7,8-HxCDF	--	--	--	--	--		**11.3 J**	< 0.519 U	< 1.70 U	< 0.588 U	< 0.572 U	< 0.747 U	< 1.31 U	< 0.602 U	< 0.807 U
1,2,3,6,7,8-HxCDF	--	--	--	--	--		< 5.81 U*	< 0.596 U	< 1.98 U	< 0.671 U	< 0.594 U	< 0.873 U	< 1.40 U	< 0.644 U	< 0.912 U
1,2,3,7,8,9-HxCDF	--	--	--	--	--		**2.07 J**	< 0.66 U	< 3.58 U	< 1.13 U	< 0.685 U	< 0.864 U	< 1.39 U	< 0.728 U	< 0.817 U
2,3,4,6,7,8-HxCDF	--	--	--	--	--		**9.10 J**	< 0.454 U	< 2.36 U	< 0.76 U	< 0.456 U	< 0.528 U	< 0.983 U	< 0.502 U	< 0.591 U
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--		**70.6**	< 1.22 U	**18.8 J**	< 2.07 U*	< 0.981 U	< 1.74 U	**4.56 J**	< 1.37 U*	< 2.37 U
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--		**5.67 J**	< 0.976 U	< 3.47 U	< 0.717 U	< 0.575 U	< 1.61 U	< 1.61 U	< 1.17 U	< 0.790 U
OCDF	--	--	--	--	--		**192**	**1.99 J**	**56.9**	**5.49 J**	< 1.19 U	< 2.28 U	**12.7 J**	< 1.86 U	< 2.50 U
Total TCDD	--	--	--	--	--		**5.95 J**	< 0.77 U	< 1.66 U	< 0.939 U	< 1.11 U	< 0.895 U	< 1.11 U	< 1.51 U	< 1.30 U
Total PeCDD	--	--	--	--	--		**17.7 J**	< 1.28 U	< 2.70 U	< 1.84 U	< 1.13 U	< 1.71 U	< 1.78 U	< 0.93 U	< 1.18 U
Total HxCDD	--	--	--	--	--		**88.7 J**	< 4.58 U	< 3.94 U*	< 4.32 U	< 3.15 U	< 2.85 U	< 5.82 U	< 3.64 U	< 3.70 U
Total HpCDD	--	--	--	--	--		**482**	**9.77**	**35.4 J**	**21.9**	< 3.98 U	< 4.94 U*	**19.6**	**14.0**	**5.82 J**
Total TCDF	--	--	--	--	--		**50.4 J**	< 0.745 U	< 1.24 U	< 1.34 U	< 0.795 U	< 1.45 U	< 0.983 U	< 1.33 U	< 1.73 U
Total PeCDF	--	--	--	--	--		**128 J**	< 1.01 U	**1.74**	< 0.858 U	< 0.794 U	< 1.38 U	< 1.29 U	< 0.532 U*	< 0.462 U*
Total HxCDF	--	--	--	--	--		**143 J**	< 0.451 U	**12.3 J**	< 0.900 U*	< 0.691 U	< 0.966 U	**3.15**	< 0.886 U*	< 0.960 U*
Total HpCDF	--	--	--	--	--		**217**	< 1.73 U	**45.4**	< 4.86 U*	< 1.01 U	< 2.24 U	**11.4**	**1.20 J**	< 2.70 U
Dioxin/Furan TEQ, nd SDL*0	--	--	--	--	--		**11.9 J**	**0.0469 J**	**0.634 J**	**0.143 J**	**0.0032 J**	**0.00498 J**	**0.152 J**	**0.0684 J**	**0.0684 J**
Dioxin/Furan TEQ, nd SDL*0.5	--	--	--	--	--		**12.8 J**	**1.83 J**	**3.79 J**	**1.76 J**	**1.49 J**	**1.57 J**	**2.62 J**	**2.04 J**	**1.99 J**
Dioxin/Furan TEQ, nd SDL*1	--	--	--	--	--		**13.6 J**	**3.62 J**	**6.95 J**	**3.38 J**	**2.99 J**	**3.14 J**	**5.10 J**	**4.00 J**	**3.91 J**

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02
						Collection Date	1/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
PAHs (µg/L)															
1-Methylnaphthalene	--	--	--	--	--		< 0.29 U	< 0.057 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
2-Chloronaphthalene	--	--	--	--	1,600		< 0.29 U	< 0.057 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
2-Methylnaphthalene	--	--	--	--	--		< 0.95 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.20 U
Acenaphthene	--	--	--	--	990		< 0.48 U	< 0.095 U	< 0.096 U	< 0.096 U	< 0.096 U	< 0.095 U	< 0.096 U	< 0.096 U	< 0.098 U
Acenaphthylene	--	--	--	--	--		< 0.38 U	< 0.076 U	< 0.077 U	< 0.077 U	< 0.077 U	< 0.076 U	< 0.077 U	< 0.077 U	< 0.078 U
Anthracene	--	--	--	110,000	40,000		< 0.19 U	**0.013 J**	< 0.038 U	< 0.039 U	**0.014 J**	< 0.038 U	< 0.038 UJ	< 0.038 U	< 0.039 U
Benzo(a)anthracene	--	--	--	0.031	0.018		< 0.29 U	**0.033 J**	< 0.058 U	< 0.058 U	**0.089**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Benzo(a)pyrene	--	--	--	0.031	0.018		< 0.19 U	**0.051 J**	< 0.038 U	< 0.039 U	**0.12 J**	< 0.038 U	< 0.038 UJ	< 0.038 U	< 0.039 U
Benzo(b)fluoranthene	--	--	--	0.031	0.018		< 0.38 U	**0.11**	< 0.077 U	< 0.077 U	**0.31**	< 0.076 U	**0.040 J**	< 0.077 U	< 0.078 U
Benzo(g,h,i)perylene	--	--	--	--	--		< 0.29 U	**0.025 J**	< 0.058 U	< 0.058 U	**0.062**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Benzo(k)fluoranthene	--	--	--	0.031	0.018		< 0.29 U	**0.024 J**	< 0.058 U	< 0.058 U	**0.11**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Chrysene	--	--	--	0.031	0.018		< 0.19 U	**0.072**	< 0.038 U	< 0.039 U	**0.15**	< 0.038 U	**0.026 J**	< 0.038 U	< 0.039 U
Dibenz(a,h)anthracene	--	--	--	0.031	0.018		< 0.29 U	< 0.057 U	< 0.058 U	< 0.058 U	**0.019 J**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Dibenzofuran	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Fluoranthene	--	--	--	370	140		**0.20 J**	**0.13**	< 0.048 U	< 0.048 U	**0.35**	**0.024 J**	**0.047 J**	< 0.048 U	< 0.049 U
Fluorene	--	--	--	14,000	5,300		**0.11 J**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.058 U	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Indeno(1,2,3-cd)pyrene	--	--	--	0.031	0.018		< 0.29 U	**0.025 J**	< 0.058 U	< 0.058 U	**0.088**	< 0.057 U	< 0.058 U	< 0.058 U	< 0.059 U
Naphthalene	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Phenanthrene	--	--	--	--	--		< 0.38 U	**0.048 J**	< 0.077 U	< 0.077 U	**0.14**	< 0.076 U	< 0.077 U	< 0.077 U	< 0.078 U
Pyrene	--	--	--	11,000	4,000		**0.19 J**	**0.11**	< 0.058 U	< 0.058 U	**0.30**	**0.020 J**	**0.033 J**	< 0.058 U	< 0.059 U
Total Benzofluoranthenes	--	--	--	--	--		< 0.38 U	**0.13 J**	< 0.077 U	< 0.077 U	**0.42**	< 0.076 U	**0.040 J**	< 0.077 U	< 0.078 U
Total HPAHs	--	--	--	--	--		**0.39 J**	**0.58 J**	< 0.077 U	< 0.077 U	**1.6 J**	**0.044 J**	**0.15 J**	< 0.077 U	< 0.078 U
Total LPAHs	--	--	--	--	--		**0.11 J**	**0.061 J**	< 0.38 U	< 0.39 U	**0.15 J**	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Total PAHs	--	--	--	--	--		**0.50 J**	**0.64 J**	< 0.38 U	< 0.39 U	**1.8 J**	**0.044 J**	**0.15 J**	< 0.38 U	< 0.078 U
cPAHs, nd RL*0	--	--	--	--	--		< 0 U	**0.071 J**	< 0 U	< 0 U	**0.18 J**	< 0 U	**0.0043 J**	< 0 U	< 0 U
cPAHs, nd RL*0.5	--	--	--	--	--		< 0.17 U	**0.074 J**	< 0.035 U	< 0.035 U	**0.18 J**	< 0.034 U	**0.035 J**	< 0.035 U	< 0.035 U
cPAHs, nd RL*1	--	--	--	--	--		< 0.35 U	**0.077 J**	< 0.069 U	< 0.070 U	**0.18 J**	< 0.069 U	**0.065 J**	< 0.069 U	< 0.071 U
Phthalates (µg/L)															
Bis(2-ethylhexyl)phthalate	--	--	--	5.9	2.2		< 14 U	< 2.8 U	< 2.9 U	< 2.9 U	**1.3 J**	< 2.8 U	< 2.9 U	< 2.0 U	< 4.0 U
Butylbenzylphthalate	--	--	--	--	1,900		< 2.9 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
Di-n-butylphthalate	--	--	--	12,000	4,500		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.15 U	< 0.38 U	**0.49**	**0.62**
Diethylphthalate	--	--	--	120,000	44,000		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.11 U	< 0.38 U	**0.11 J**	**0.13 J**
Dimethylphthalate	--	--	--	2,900,000	1,100,000		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Di-n-octyl phthalate	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	**0.90**	**1.7**	< 0.38 U	**0.25 J**	< 0.39 U
Phenols (µg/L)															
2,3,4,6-Tetrachlorophenol	--	--	--	--	--		< 3.3 U	< 0.66 U	< 0.67 U	< 0.68 U	< 0.67 U	< 0.66 U	< 0.67 U	na	na
2,4,5-Trichlorophenol	--	--	--	--	3,600		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2,4,6-Trichlorophenol	--	--	--	6.5	2.4		< 2.9 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
2,4-Dichlorophenol	--	--	--	790	290		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2,4-Dimethylphenol	--	--	--	--	850		< 9.5 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.0 U
2,4-Dinitrophenol	--	--	--	14,000	5,300		< 24 U	< 4.7 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.7 U	< 4.8 U	< 4.8 U	< 4.9 U
2-Chlorophenol	--	--	--	--	150		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2-Methylphenol	--	--	--	--	--		**0.5 J**	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2-Nitrophenol	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
4,6-Dinitro-2-methylphenol	--	--	--	765	280		< 19 U	< 3.8 U	< 3.8 U	< 3.9 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.9 U
4-Chloro-3-methylphenol	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
4-Methylphenol	--	--	--	--	--		**1.1 J**	< 0.76 U	< 0.77 U	< 0.77 U	< 0.77 U	< 0.76 U	< 0.77 U	**0.22 J**	**0.14 J**
4-Nitrophenol	--	--	--	--	--		**5.5 J**	< 2.8 U	< 2.9 U	< 2.9 U	< 2.9 U	< 2.8 U	< 2.9 U	< 2.9 U	< 2.9 U

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02
						Collection Date	1/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
Pentachlorophenol	--	7.9	13	8.2	3.0		< 3.3 UJ	**0.14 J**	< 0.67 U	**0.15 J**	< 0.67 U	< 0.66 U	< 0.67 U	< 0.67 U	< 0.69 U
Phenol	--	--	--	4,600,000	860,000		**2.0 J**	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
Other SVOCs (µg/L)															
1,2,4-Trichlorobenzene	--	--	--	--	70		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
1,2-Dichlorobenzene	--	--	--	17,000	1,300		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
1,3-Dichlorobenzene	--	--	--	2,600	960		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
1,4-Dichlorobenzene	--	--	--	2,600	190		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2,4-Dinitrotoluene	--	--	--	9.1	3.4		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2,6-Dinitrotoluene	--	--	--	--	--		< 1.9 U	**0.27 J**	< 0.38 U	< 0.39 U	< 0.38 U	**0.25 J**	< 0.38 U	< 0.38 U	< 0.39 U
2-Nitroaniline	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
3,3'-Dichlorobenzidine	--	--	--	0.077	0.028		< 9.5 U	R	< 1.9 U	< 1.9 U	R	< 1.9 U	R	< 1.9 U	< 2.0 U
3-Nitroaniline	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
4-Bromophenyl-phenylether	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
4-Chloroaniline	--	--	--	--	--		< 1.9 U	R	< 0.38 UJ	< 0.39 UJ	R	< 0.38 UJ	R	< 0.38 U	< 0.39 U
4-Chlorophenyl-phenylether	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
4-Nitroaniline	--	--	--	--	--		< 2.9 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
Benzoic Acid	--	--	--	--	--		**5.2 J**	< 2.8 U	**0.75 J**	< 2.9 U	< 2.9 U	**0.92 J**	< 2.9 U	**1.1 J**	**1.4 J**
Benzyl Alcohol	--	--	--	--	--		< 1.9 U	< 0.13 U	< 0.38 U	< 0.39 U	< 0.13 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
2,2'-Oxybis(1-chloropropane)	--	--	--	170,000	65,000		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Bis-(2-Chloroethyl) Ether	--	--	--	1.4	0.53		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Carbazole	--	--	--	--	--		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Hexachlorobenzene	--	--	--	0.00077	0.00029		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
Hexachlorobutadiene	--	--	--	50	18		< 2.9 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
Hexachlorocyclopentadiene	--	--	--	17,000	1,100		< 9.5 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.0 U
Hexachloroethane	--	--	--	8.9	3.3		< 2.9 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.58 U	< 0.58 U	< 0.59 U
Isophorone	--	--	--	600	960		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	**0.13 J**
Nitrobenzene	--	--	--	1,900	690		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
N-Nitrosodimethylamine	--	--	--	8.1	3.0		< 9.5 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.0 U
N-Nitroso-di-N-propylamine	--	--	--	--	0.51		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U
N-Nitrosodiphenylamine	--	--	--	16	6.0		< 1.9 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.39 U

Results in **bold** are detections.

Results that are shaded in gray exceed one or more criteria.

a - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	CS-SP-01	CS-TS-01	DS-CB-F3	IA-MHS-05	IA-CBN-60	IA-CV-01	PS-OS-01	PS-TS-01	SC-MH-20
						Collection Date	9/3/2014	9/3/2014	12/16/2014	10/20/2014	10/20/2014	10/20/2014	9/9/2014	9/9/2014	12/11/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Metals (µg/L)															
Antimony	--	--	--	--	--		**1.9**	**1.8**	**0.33 J**	**0.55**	**0.60**	**1.0**	**59**	**0.95**	**0.59**
Arsenic	150	36	69	--	--		1.9	1.6	1.8	< 1.0 U	< 1.0 U	< 1.0 U	4.4	< 1.0 U	< 1.0 U
Beryllium	--	--	--	--	--		< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
Cadmium	2.1	9.4	42	--	--		**0.78**	**0.62**	**0.043 J**	**0.054 J**	**0.15 J**	**0.14 J**	**2.2**	**0.26 J**	**0.40**
Chromium	--	--	--	--	--		**2.3**	**1.7**	**0.32 J**	**1.1**	**1.3**	**1.7**	**2.0**	**2.0**	**1.2**
Chromium, hexavalent	--	--	--	--	--		na	na	na	na	na	na	< 12.0 U	< 12.0 U	na
Copper	14	3.7	5.8	--	--		**29**	**25**	**4.0**	**7.4**	**21**	**9.8**	**7.2**	**15**	**65**
Lead	81.6	8.5	221	--	--		**8.5**	**5.7**	**0.19 J**	**3.8**	**11**	**18**	**1.1**	**1.0**	**13**
Mercury	1.4	0.025	2.1	--	--		**0.088 J**	**0.059 J**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	**0.067 J**	**0.065 J**	< 0.045 U
Nickel	--	8.3	75	--	--		**5.8**	**7.5**	< 3.0 U	**1.7 J**	**1.3 J**	**1.5 J**	**1.7 J**	**3.0**	**1.4 J**
Selenium	5	71	291	--	--		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.80 J**	< 1.0 U
Silver	3.8	--	2.2	--	--		**0.037 J**	< 0.4 U	< 0.40 U	< 0.40 U	**0.059 J**	**0.051 J**	< 0.40 U	< 0.40 U	**0.034 J**
Thallium	--	--	--	--	--		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Zinc	117	86	95	--	--		**200**	**240**	**20**	**47**	**100**	**67**	**160**	**3,500**	**220**
PCB Congeners (ug/L) [a]															
Total PCB Congeners	--	0.03	10	1.70E-04	6.40E-05		**0.0159 J**	**0.00398 J**	**2.17E-04 J**	**7.59E-04**	**0.0282 J**	**0.00628 J**	**0.0123 J**	**8.59E-04 J**	**0.0516 J**
PCB TEQ, nd SDL*0	--	0.03	10	--	--		**1.89E-06 J**	**7.69E-09 J**	**4.30E-10 J**	**1.62E-09 J**	**3.80E-06**	**9.20E-07 J**	**8.27E-07 J**	**1.44E-09 J**	**5.02E-06**
PCB TEQ, nd SDL*0.5	--	0.03	10	--	--		**1.90E-06 J**	**2.18E-07 J**	**1.67E-07 J**	**3.21E-07 J**	**3.84E-06**	**1.03E-06 J**	**8.46E-07 J**	**1.21E-07 J**	**5.07E-06**
PCB TEQ, nd SDL*1	--	0.03	10	--	--		**1.92E-06 J**	**4.29E-07 J**	**3.34E-07 J**	**6.40E-07 J**	**3.87E-06**	**1.15E-06 J**	**8.64E-07 J**	**2.41E-07 J**	**5.11E-06**
Dioxins and Furans (pg/L) [a]															
2,3,7,8-TCDD	--	--	--	0.014	0.0051		< 0.869 U	< 0.943 U	< 0.729 U	< 2.28 U	< 2.38 U	< 1.48 U	< 0.943 U	< 0.943 U	< 1.82 U*
1,2,3,7,8-PeCDD	--	--	--	--	--		< 0.759 U	< 0.513 U	< 0.878 U	< 2.92 U	< 1.83 U	< 1.98 U	< 1.83 U	< 1.27 U	< 12.3 U*
1,2,3,4,7,8-HxCDD	--	--	--	--	--		< 2.21 U	< 1.68 U	< 0.899 U	< 3.06 UJ	< 3.68 U	< 3.87 U	**3.63 J**	< 1.68 U	**42.1**
1,2,3,6,7,8-HxCDD	--	--	--	--	--		< 1.93 U	< 1.58 U	< 0.957 U	< 4.22 U	< 4.58 U	< 4.85 U	**6.04 J**	< 1.74 U	**95.9**
1,2,3,7,8,9-HxCDD	--	--	--	--	--		< 2.02 U	< 1.95 U	< 0.966 U	< 4.99 U	< 3.63 U	< 5.31 U	**10.1 J**	< 1.67 U	**79.2**
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--		**15.9 J**	**3.99 J**	**26.0**	**38.6**	**69.1**	**47.5**	**261**	**2.15 J**	**2690**
OCDD	--	--	--	--	--		**103**	**20.6 J**	**221**	**194**	**706**	**296**	**3450**	**10.9 J**	**21800**
2,3,7,8-TCDF	--	--	--	--	--		< 0.696 U	< 0.567 U	< 0.640 U	< 1.39 U	< 2.28 U	< 1.78 U	< 0.977 U	< 0.984 U	**1.98 J**
1,2,3,7,8-PeCDF	--	--	--	--	--		< 0.965 U	< 0.584 U	< 0.640 U	< 2.80 U	< 2.10 U	< 1.62 U	< 1.39 U	< 0.894 U	**4.20 J**
2,3,4,7,8-PeCDF	--	--	--	--	--		< 0.986 U	< 0.618 U	< 0.647 U	< 2.43 U	< 2.00 U	< 1.84 U	< 1.42 U	< 0.842 U	**5.87 J**
1,2,3,4,7,8-HxCDF	--	--	--	--	--		< 0.507 U	< 0.630 U	< 0.478 U	< 1.72 U	< 1.87 U	< 2.11 U	< 1.36 U	< 1.36 U	**35.3**
1,2,3,6,7,8-HxCDF	--	--	--	--	--		< 0.521 U	< 0.661 U	< 0.523 U	< 1.76 U	< 1.98 U	< 2.10 U	**2.26 J**	< 1.44 U	**40.4**
1,2,3,7,8,9-HxCDF	--	--	--	--	--		< 0.793 U	< 1.05 U	< 0.721 U	< 3.19 U	< 3.21 U	< 3.64 U	< 1.19 U	< 0.988 U	**2.63 J**
2,3,4,6,7,8-HxCDF	--	--	--	--	--		< 0.64 U	< 0.781 U	< 0.525 U	< 1.91 U	< 2.05 U	< 2.14 U	< 2.05 U	< 0.768 U	**43.8**
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--		**3.08 J**	< 1.01 U	**6.52 J**	< 3.15 U	**27.1**	**19.4 J**	**38.4**	< 1.07 U	**1170**
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--		< 0.864 U	< 0.830 U	< 0.532 U	< 1.72 U	< 3.13 U	< 1.25 U	< 1.41 U	< 0.401 U	**59.5**
OCDF	--	--	--	--	--		**5.42 J**	< 2.02 U	**18.7 J**	< 4.92 U*	**135**	**36.9 J**	**115**	< 2.14 U	**3460**
Total TCDD	--	--	--	--	--		< 0.869 U	< 0.949 U	< 0.730 U	< 2.28 U	< 2.38 U	< 1.48 U	< 1.85 U	< 1.13 U	< 1.82 U*
Total PeCDD	--	--	--	--	--		< 1.34 U	< 0.513 U	< 0.878 U	< 6.80 U	< 1.83 U	< 5.48 U	**1.83 J**	< 2.76 U	**45.2 J**
Total HxCDD	--	--	--	--	--		**1.73 J**	< 2.47 U	**1.06**	< 5.16 U	8.36	**10.2**	**60.2**	< 2.84 U	**654**
Total HpCDD	--	--	--	--	--		**33.4**	8.35	**45.9**	**38.6 J**	**114**	**83.0**	**600**	**2.15 J**	**4910**
Total TCDF	--	--	--	--	--		< 0.696 U	< 0.567 U	< 0.640 U	< 1.39 U	< 2.78 U	< 3.46 U	**1.17**	< 1.20 U	**18.1 J**
Total PeCDF	--	--	--	--	--		**1.43**	< 0.813 U	< 0.683 U	< 6.75 U	< 3.81 U	< 2.05 U	**9.60**	< 1.61 U	**192 J**
Total HxCDF	--	--	--	--	--		**0.768 J**	< 1.35 U	**3.59 J**	< 6.95 U	**6.72 J**	**10.3 J**	**33.1 J**	**< 1.65 U**	**1050**
Total HpCDF	--	--	--	--	--		**6.40**	< 1.90 U	**13.9**	< 2.69 U	**80.8**	**39.3**	**83.1**	< 1.12 U	**2880**
Dioxin/Furan TEQ, nd SDL*0	--	--	--	--	--		**0.222 J**	**0.0461 J**	**0.397 J**	**0.444**	**1.12**	**0.769 J**	**6.27 J**	**0.0248 J**	**82.8 J**
Dioxin/Furan TEQ, nd SDL*0.5	--	--	--	--	--		**1.67 J**	**1.330013 J**	**1.60 J**	**4.59**	**4.79**	**4.10 J**	**8.17 J**	**1.81 J**	**89.9 J**
Dioxin/Furan TEQ, nd SDL*1	--	--	--	--	--		**3.12 J**	**2.61 J**	**2.79 J**	**8.73**	**8.41**	**7.42 J**	**10.1 J**	**3.60 J**	**96.9 J**

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	CS-SP-01	CS-TS-01	DS-CB-F3	IA-MHS-05	IA-CBN-60	IA-CV-01	PS-OS-01	PS-TS-01	SC-MH-20
						Collection Date	9/3/2014	9/3/2014	12/16/2014	10/20/2014	10/20/2014	10/20/2014	9/9/2014	9/9/2014	12/11/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
PAHs (µg/L)															
1-Methylnaphthalene	--	--	--	--	--		< 0.29 U	< 0.30 U	na	< 0.058 U	< 0.058 U	< 0.29 U	< 0.29 U	< 0.058 U	< 0.57 U
2-Chloronaphthalene	--	--	--	--	1,600		< 0.29 U	< 0.30 U	na	< 0.058 U	< 0.058 U	< 0.29 U	< 0.29 U	< 0.058 U	< 0.57 U
2-Methylnaphthalene	--	--	--	--	--		< 0.98 U	< 1.0 U	na	< 0.19 U	< 0.19 U	< 0.97 U	< 0.97 U	< 0.19 U	< 1.9 U
Acenaphthene	--	--	--	--	990		< 0.49 U	< 0.50 U	na	< 0.097 U	< 0.096 U	< 0.48 U	< 0.49 U	< 0.097 U	< 0.96 U
Acenaphthylene	--	--	--	--	--		< 0.39 U	< 0.40 U	na	< 0.078 U	< 0.077 U	< 0.39 U	< 0.39 U	< 0.078 U	< 0.77 U
Anthracene	--	--	--	110,000	40,000		< 0.20 U	< 0.20 U	na	< 0.039 U	< 0.039 U	< 0.19 U	< 0.19 U	< 0.039 U	< 0.38 U
Benzo(a)anthracene	--	--	--	0.031	0.018		< 0.29 U	< 0.30 U	na	< 0.058 U	**0.036 J**	< 0.29 U	< 0.29 U	< 0.058 U	< 0.57 U
Benzo(a)pyrene	--	--	--	0.031	0.018		< 0.20 U	< 0.20 U	na	< 0.039 U	< 0.039 U	< 0.19 U	< 0.19 U	< 0.039 U	**0.23 J**
Benzo(b)fluoranthene	--	--	--	0.031	0.018		< 0.39 U	< 0.40 U	na	< 0.078 U	**0.13**	**0.15 J**	< 0.39 U	< 0.078 U	< 0.77 U
Benzo(g,h,i)perylene	--	--	--	--	--		< 0.29 U	< 0.30 U	na	< 0.058 U	**0.049 J**	< 0.29 U	< 0.29 U	< 0.058 U	**0.24 J**
Benzo(k)fluoranthene	--	--	--	0.031	0.018		< 0.29 U	< 0.30 U	na	< 0.058 U	**0.067**	< 0.29 U	< 0.29 U	< 0.058 U	< 0.57 U
Chrysene	--	--	--	0.031	0.018		< 0.20 U	< 0.20 U	na	< 0.039 U	**0.14**	**0.18 J**	< 0.19 U	< 0.039 U	< 0.38 U
Dibenz(a,h)anthracene	--	--	--	0.031	0.018		< 0.29 U	< 0.30 U	na	< 0.058 U	< 0.058 U	< 0.29 U	< 0.29 U	< 0.058 U	**0.23 J**
Dibenzofuran	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Fluoranthene	--	--	--	370	140		< 0.24 U	< 0.25 U	na	< 0.049 U	**0.18**	**0.21 J**	< 0.24 U	< 0.048 U	**0.23 J**
Fluorene	--	--	--	14,000	5,300		< 0.29 U	< 0.30 U	na	< 0.058 U	< 0.058 U	< 0.29 U	< 0.29 U	< 0.058 U	< 0.57 U
Indeno(1,2,3-cd)pyrene	--	--	--	0.031	0.018		< 0.29 U	< 0.30 U	na	< 0.058 U	**0.05 J**	< 0.29 U	< 0.29 U	**0.020 J**	< 0.57 U
Naphthalene	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Phenanthrene	--	--	--	--	--		< 0.39 U	< 0.40 U	na	**0.020 J**	< 0.077 U	< 0.39 U	< 0.39 U	< 0.078 U	< 0.77 U
Pyrene	--	--	--	11,000	4,000		< 0.29 U	< 0.30 U	na	< 0.058 U	**0.13**	**0.16 J**	< 0.29 U	< 0.058 U	**0.33 J**
Total Benzofluoranthenes	--	--	--	--	--		< 0.39 U	< 0.40 U	na	< 0.078 U	**0.20**	**0.15 J**	< 0.39 U	< 0.078 U	< 0.77 U
Total HPAHs	--	--	--	--	--		< 0.2 U	< 0.20 U	na	< 0.078 U	**0.64**	**0.70**	< 0.39 U	**0.020 J**	**1.3 J**
Total LPAHs	--	--	--	--	--		< 0.2 U	< 0.20 U	na	**0.020**	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Total PAHs	--	--	--	--	--		< 0.2 U	< 0.20 U	na	**0.020**	**0.78**	**0.70**	< 1.9 U	**0.020 J**	**1.3 J**
cPAHs, nd RL*0	--	--	--	--	--		< 0 U	< 0 U	na	< 0 U	**0.0297 J**	**0.017 J**	< 0 U	**0.00200 J**	**0.25 J**
cPAHs, nd RL*0.5	--	--	--	--	--		< 0.18 U	< 0.18 U	na	< 0.035 U	**0.0521 J**	**0.17 J**	< 0.17 U	**0.0343 J**	**0.38 J**
cPAHs, nd RL*1	--	--	--	--	--		< 0.36 U	< 0.36 U	na	< 0.070 U	**0.0745 J**	**0.32 J**	< 0.35 U	**0.0666 J**	**0.51 J**
Phthalates (µg/L)															
Bis(2-ethylhexyl)phthalate	--	--	--	5.9	2.2		< 6.8 U	< 15 U	na	**2.8 J**	**1.2 J**	**11 J**	< 15 U	< 2.9 U	< 29 U
Butylbenzylphthalate	--	--	--	--	1,900		< 2.9 U	< 3.0 U	na	**0.24 J**	**0.20 J**	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
Di-n-butylphthalate	--	--	--	12,000	4,500		< 2.0 U	< 0.85 U	na	**0.15 J**	**0.16 J**	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Diethylphthalate	--	--	--	120,000	44,000		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Dimethylphthalate	--	--	--	2,900,000	1,100,000		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Di-n-octyl phthalate	--	--	--	--	--		< 2.0 U	< 2.0 U	na	**0.44**	**0.69**	**0.94 J**	< 1.9 U	< 0.39 U	< 3.8 U
Phenols (µg/L)															
2,3,4,6-Tetrachlorophenol	--	--	--	--	--		na	na	na	< 0.68 U	< 0.68 U	< 3.4 U	na	na	< 6.7 U
2,4,5-Trichlorophenol	--	--	--	--	3,600		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2,4,6-Trichlorophenol	--	--	--	6.5	2.4		< 2.9 U	< 3.0 U	na	< 0.58 U	< 0.58 U	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
2,4-Dichlorophenol	--	--	--	790	290		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2,4-Dimethylphenol	--	--	--	--	850		< 9.8 U	< 10 U	na	< 1.9 U	< 1.9 U	< 9.7 U	< 9.7 U	< 1.9 U	< 19 U
2,4-Dinitrophenol	--	--	--	14,000	5,300		< 24 U	< 25 U	na	< 4.9 U	< 4.8 U	< 24 U	< 24 U	< 4.8 U	< 48 U
2-Chlorophenol	--	--	--	--	150		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2-Methylphenol	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2-Nitrophenol	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
4,6-Dinitro-2-methylphenol	--	--	--	765	280		< 20 U	< 20 U	na	< 3.9 U	< 3.9 U	< 19 U	< 19 U	< 3.9 U	< 38 U
4-Chloro-3-methylphenol	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
4-Methylphenol	--	--	--	--	--		< 0.84 U	**< 2.9 J**	na	**1.0**	< 0.77 U	< 3.9 U	< 3.9 U	< 0.78 U	< 7.7 U
4-Nitrophenol	--	--	--	--	--		< 15 U	< 15 U	na	< 2.9 U	< 2.9 U	< 15 U	**7.6 J**	< 2.9 U	< 29 U

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	CS-SP-01	CS-TS-01	DS-CB-F3	IA-MHS-05	IA-CBN-60	IA-CV-01	PS-OS-01	PS-TS-01	SC-MH-20
						Collection Date	9/3/2014	9/3/2014	12/16/2014	10/20/2014	10/20/2014	10/20/2014	9/9/2014	9/9/2014	12/11/2014
							Result	Result	Result	Result	Result	Result	Result	Result	Result
Pentachlorophenol	--	7.9	13	8.2	3.0		< 3.4 U	< 3.5 U	na	**0.21 J**	**0.28 J**	**0.88 J**	< 3.4 U	< 0.68 U	**4.5 J**
Phenol	--	--	--	4,600,000	860,000		< 1.1 U	< 1.6 U	na	**0.25 J**	< 0.58 U	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
Other SVOCs (µg/L)															
1,2,4-Trichlorobenzene	--	--	--	--	70		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
1,2-Dichlorobenzene	--	--	--	17,000	1,300		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
1,3-Dichlorobenzene	--	--	--	2,600	960		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
1,4-Dichlorobenzene	--	--	--	2,600	190		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2,4-Dinitrotoluene	--	--	--	9.1	3.4		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2,6-Dinitrotoluene	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2-Nitroaniline	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
3,3'-Dichlorobenzidine	--	--	--	0.077	0.028		< 9.8 U	< 10 U	na	< 1.9 U	< 1.9 U	< 9.7 U	R	R	< 19 U
3-Nitroaniline	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
4-Bromophenyl-phenylether	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
4-Chloroaniline	--	--	--	--	--		< 2.0 UJ	< 2.0 UJ	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 UJ	< 0.39 UJ	R
4-Chlorophenyl-phenylether	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
4-Nitroaniline	--	--	--	--	--		< 2.9 U	< 3.0 U	na	< 0.58 U	< 0.58 U	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
Benzoic Acid	--	--	--	--	--		< 11 U	< 9.5 U	na	**0.89 J**	**3.3 J**	**3.0 J**	**3.1 J**	**0.77 J**	< 29 U
Benzyl Alcohol	--	--	--	--	--		< 2.2 U	< 4.5 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
2,2'-Oxybis(1-chloropropane)	--	--	--	170,000	65,000		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Bis(2-Chloroethoxy) Methane	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Bis-(2-Chloroethyl) Ether	--	--	--	1.4	0.53		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Carbazole	--	--	--	--	--		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Hexachlorobenzene	--	--	--	0.00077	0.00029		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
Hexachlorobutadiene	--	--	--	50	18		< 2.9 U	< 3.0 U	na	< 0.58 U	< 0.58 U	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
Hexachlorocyclopentadiene	--	--	--	17,000	1,100		< 9.8 U	< 10 U	na	< 1.9 U	< 1.9 U	< 9.7 U	< 9.7 U	< 1.9 U	< 19 U
Hexachloroethane	--	--	--	8.9	3.3		< 2.9 U	< 3.0 U	na	< 0.58 U	< 0.58 U	< 2.9 U	< 2.9 U	< 0.58 U	< 5.7 U
Isophorone	--	--	--	600	960		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	**0.58 J**	< 0.39 U	< 3.8 U
Nitrobenzene	--	--	--	1,900	690		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
N-Nitrosodimethylamine	--	--	--	8.1	3.0		< 9.8 U	< 10 U	na	< 1.9 U	< 1.9 U	< 9.7 U	< 9.7 U	< 1.9 U	< 19 U
N-Nitroso-di-N-propylamine	--	--	--	--	0.51		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U
N-Nitrosodiphenylamine	--	--	--	16	6.0		< 2.0 U	< 2.0 U	na	< 0.39 U	< 0.39 U	< 1.9 U	< 1.9 U	< 0.39 U	< 3.8 U

Results in **bold** are detections.

Results that are shaded in gray exceed one or more criteria.

a - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	SP-OWS-01	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-CB-11	WM-FT-1B
						Collection Date	10/8/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	2/3/2015	1/22/2015
							Result	Result	Result	Result	Result	Result	Result
Total Metals (µg/L)													
Antimony	--	--	--	--	--		**0.31 J**	**3.7**	**8.1**	**7.6**	**50**	**2.5**	**1.9**
Arsenic	150	36	69	--	--		2.0	14	13	12	1.8	4.2	1.7
Beryllium	--	--	--	--	--		< 0.40 U	**0.34 J**	**0.22 J**	**0.25 J**	< 0.40 U	0.15 J	< 0.40 U
Cadmium	2.1	9.4	42	--	--		**0.27 J**	**0.75**	**0.34 J**	**0.31 J**	**0.16 J**	**2.3**	**0.15 J**
Chromium	--	--	--	--	--		**0.52**	**41**	**27**	**22**	**8.1**	**30**	**1.8**
Chromium, hexavalent	--	--	--	--	--		na	na	na	na	na	na	na
Copper	14	3.7	5.8	--	--		**88**	**110**	**53**	**48**	**11**	**140**	**8.4**
Lead	81.6	8.5	221	--	--		**3.6**	**84**	**44**	**40**	**5.8**	**53**	**17**
Mercury	1.4	0.025	2.1	--	--		< 0.20 U	**0.23**	**0.12 J**	**0.19 J**	**0.21**	< 0.20 U	**0.042 J**
Nickel	--	8.3	75	--	--		**1.3 J**	**33**	**21**	**18**	**1.6 J**	**27**	**5.2**
Selenium	5	71	291	--	--		< 1.0 U	**0.48 J**	**0.58 J**	**0.77 J**	< 1.0 U	**0.55 J**	< 1.0 U
Silver	3.8	--	2.2	--	--		< 0.4 U	**0.16 J**	**0.16 J**	**0.14 J**	**0.035 J**	**0.15 J**	< 0.40 U
Thallium	--	--	--	--	--		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Zinc	117	86	95	--	--		**92**	**400**	**160**	**150**	**450**	**640**	**370**
PCB Congeners (ug/L) [a]													
Total PCB Congeners	--	0.03	10	1.70E-04	6.40E-05		**0.0140 J**	**0.0812 J**	**0.140 J**	**0.121 J**	**0.00153 J**	**0.0344 J**	**0.0121 J**
PCB TEQ, nd SDL*0	--	0.03	10	--	--		**6.60E-07 J**	**1.78E-07 J**	**5.27E-06 J**	**4.59E-06 J**	**3.68E-08 J**	**8.48E-08 J**	**3.84E-08 J**
PCB TEQ, nd SDL*0.5	--	0.03	10	--	--		**7.10E-07 J**	**2.29E-06 J**	**5.79E-06 J**	**4.92E-06 J**	**1.58E-07 J**	**2.99E-06 J**	**1.48E-06 J**
PCB TEQ, nd SDL*1	--	0.03	10	--	--		**7.50E-07 J**	**4.39E-06 J**	**6.30E-06 J**	**5.25E-06 J**	**2.79E-07 J**	**5.90E-06 J**	**2.92E-06 J**
Dioxins and Furans (pg/L) [a]													
2,3,7,8-TCDD	--	--	--	0.014	0.0051		< 1.63 U	< 1.71 U	< 1.50 U	< 0.750 U*	< 0.943 U	< 1.40 U	< 0.991 U
1,2,3,7,8-PeCDD	--	--	--	--	--		< 2.55 U	< 2.50 U	**3.23 J**	**2.91 J**	< 0.821 U	< 1.90 U	< 1.17 U
1,2,3,4,7,8-HxCDD	--	--	--	--	--		< 3.23 U	< 5.58 U*	**7.87 J**	**10.40 J**	< 2.16 U	< 2.90 U	< 1.92 U
1,2,3,6,7,8-HxCDD	--	--	--	--	--		**10.9 J**	**24.5 J**	**46.0**	**35.9**	< 1.93 U	**4.67 J**	< 3.00 U*
1,2,3,7,8,9-HxCDD	--	--	--	--	--		< 4.12 U*	< 11.3 U*	**16.9 J**	**17.7 J**	< 2.02 U	**3.22 J**	< 1.98 U
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--		**206**	**799**	**1570**	**1320**	< 3.63 U*	**84.6**	**75.1**
OCDD	--	--	--	--	--		**1280**	**9110**	**17100**	**14800**	**29.4 J**	**694**	**770**
2,3,7,8-TCDF	--	--	--	--	--		< 1.17 U	**1.46 J**	**2.67 J**	**2.46 J**	< 0.756 U	< 1.69 U	< 0.91 U
1,2,3,7,8-PeCDF	--	--	--	--	--		< 1.79 U	< 1.27 U*	< 2.34 U*	**2.09 J**	< 0.780 U	< 1.53 U	< 1.13 U
2,3,4,7,8-PeCDF	--	--	--	--	--		< 1.09 U	**2.3 J**	**3.48 J**	**3.14 J**	< 0.691 U	< 1.40 U	< 1.25 U
1,2,3,4,7,8-HxCDF	--	--	--	--	--		< 1.20 U*	< 5.67 U*	**14.1 J**	**10.7 J**	< 0.526 U	**1.55 J**	< 0.887 U*
1,2,3,6,7,8-HxCDF	--	--	--	--	--		< 1.23 U*	**4.04 J**	**6.18 J**	**5.84 J**	< 0.557 U	< 1.36 U*	**0.792 J**
1,2,3,7,8,9-HxCDF	--	--	--	--	--		< 1.20 U	< 1.24 U	< 3.07 U	**1.46 J**	< 0.852 U	< 1.16 U	< 0.617 U
2,3,4,6,7,8-HxCDF	--	--	--	--	--		**2.35 J**	**6.55 J**	**11.3 J**	**10.2 J**	< 0.605 U	**1.87 J**	< 0.871 U*
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--		**33.1**	**121**	**238**	**201**	< 1.46 U	**19.5 J**	**28.6**
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--		**1.71 J**	**9.98 J**	**22.5 J**	**17.6 J**	< 0.76 U	< 1.88 U*	< 0.826 U
OCDF	--	--	--	--	--		**75.1**	**605**	**1400**	**1180**	< 2.23 U	**35.4 J**	**35.7 J**
Total TCDD	--	--	--	--	--		< 1.63 U	< 1.71 U	< 3.17 U*	< 2.35 U*	< 1.09 U	< 1.40 U	< 0.991 U
Total PeCDD	--	--	--	--	--		< 2.55 U	**11.1 J**	**18.0 J**	**17.1 J**	< 1.72 U	**1.73**	< 1.18 U
Total HxCDD	--	--	--	--	--		**27.9 J**	**240 J**	**529**	**434**	< 5.94 U	**35.3 J**	**8.19 J**
Total HpCDD	--	--	--	--	--		**352**	**2790**	**5660**	**4790**	**6.64 J**	**199**	**137**
Total TCDF	--	--	--	--	--		< 1.17 U	**4.05 J**	**35.0 J**	**33.5 J**	< 0.756 U	< 1.69 U	< 1.01 U
Total PeCDF	--	--	--	--	--		**6.50**	**44.3 J**	**67.5 J**	**62.5 J**	< 1.06 U	**10.8 J**	< 1.60 U*
Total HxCDF	--	--	--	--	--		**45.4 J**	**136 J**	**275**	**242 J**	**0.675**	**27.6 J**	**17.3 J**
Total HpCDF	--	--	--	--	--		**89.6**	**493**	**1080**	**871**	< 1.73 U	**44.8 J**	**56.9**
Dioxin/Furan TEQ, nd SDL*0	--	--	--	--	--		**4.14 J**	**16.6 J**	**38.6 J**	**33.6 J**	**0.00882 J**	**2.39 J**	**1.36 J**
Dioxin/Furan TEQ, nd SDL*0.5	--	--	--	--	--		**7.03 J**	**19.9 J**	**39.6 J**	**33.9 J**	**1.51 J**	**4.64 J**	**3.16 J**
Dioxin/Furan TEQ, nd SDL*1	--	--	--	--	--		**9.92 J**	**23.2 J**	**40.5 J**	**34.3 J**	**3.00 J**	**6.89 J**	**4.96 J**

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	SP-OWS-01	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-CB-11	WM-FT-1B
						Collection Date	10/8/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	2/3/2015	1/22/2015
							Result	Result	Result	Result	Result	Result	Result
PAHs (µg/L)													
1-Methylnaphthalene	--	--	--	--	--		< 0.057 U	< 0.29 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.057 U	< 0.29 U
2-Chloronaphthalene	--	--	--	--	1,600		< 0.057 U	< 0.29 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.057 U	< 0.29 U
2-Methylnaphthalene	--	--	--	--	--		**0.042 J**	**0.10 J**	< 0.95 U	< 0.95 U	< 0.95 U	< 0.19 U	**0.18 J**
Acenaphthene	--	--	--	--	990		< 0.095 U	**0.10 J**	< 0.47 U	< 0.47 U	< 0.48 U	< 0.10 U	**0.10 J**
Acenaphthylene	--	--	--	--	--		< 0.076 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.076 U	< 0.39 U
Anthracene	--	--	--	110,000	40,000		< 0.038 U	**0.21 J**	**0.16 J**	**0.15 J**	< 0.19 U	< 0.038 U	**0.11 J**
Benzo(a)anthracene	--	--	--	0.031	0.018		< 0.057 U	**0.22 J**	**0.18 J**	**0.18 J**	**0.21 J**	< 0.057 U	**0.11 J**
Benzo(a)pyrene	--	--	--	0.031	0.018		< 0.038 U	**0.099 J**	< 0.19 UJ	< 0.19 UJ	< 0.19 U	< 0.038 U	< 0.19 U
Benzo(b)fluoranthene	--	--	--	0.031	0.018		**0.033 J**	**0.24 J**	**0.19 J**	**0.17 J**	< 0.38 U	< 0.076 U	< 0.39 U
Benzo(g,h,i)perylene	--	--	--	--	--		< 0.057 UJ	< 0.29 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.057 U	< 0.29 UJ
Benzo(k)fluoranthene	--	--	--	0.031	0.018		< 0.057 U	**0.13 J**	< 0.28 U	< 0.28 U	< 0.29 U	< 0.057 U	< 0.29 U
Chrysene	--	--	--	0.031	0.018		**0.039**	**0.33**	**0.18 J**	**0.21**	**0.16 J**	< 0.038 U	**0.13 J**
Dibenz(a,h)anthracene	--	--	--	0.031	0.018		< 0.057 U	< 0.29 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.057 U	< 0.29 UJ
Dibenzofuran	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Fluoranthene	--	--	--	370	140		**0.10**	**0.40**	**0.29**	**0.30**	**0.53**	**0.14**	**0.27**
Fluorene	--	--	--	14,000	5,300		**0.033 J**	**0.30**	**0.13 J**	**0.099 J**	< 0.29 U	< 0.057 U	**0.19 J**
Indeno(1,2,3-cd)pyrene	--	--	--	0.031	0.018		< 0.057 UJ	< 0.29 U	< 0.28 U	**0.095 J**	< 0.29 U	< 0.057 U	< 0.29 UJ
Naphthalene	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Phenanthrene	--	--	--	--	--		**0.11**	**0.58**	**0.27 J**	**0.23 J**	**0.37 J**	< 0.076 U	**0.77**
Pyrene	--	--	--	11,000	4,000		**0.061**	**0.75**	**0.33**	**0.31**	**0.45**	**0.13**	**0.25 J**
Total Benzofluoranthenes	--	--	--	--	--		**0.033 J**	**0.37 J**	**0.19 J**	**0.17 J**	< 0.38 U	< 0.076 U	< 0.39 U
Total HPAHs	--	--	--	--	--		**0.23**	**2.2 J**	**1.2 J**	**1.3 J**	**1.4 J**	**0.27**	**0.76 J**
Total LPAHs	--	--	--	--	--		**0.14**	**1.2 J**	**0.56 J**	**0.48 J**	**0.37 J**	< 0.38 U	**1.17 J**
Total PAHs	--	--	--	--	--		**0.38**	**3.4 J**	**1.7 J**	**1.7 J**	**1.7 J**	**0.27**	**1.93 J**
cPAHs, nd RL*0	--	--	--	--	--		**0.0037 J**	**0.16 J**	**0.039 J**	**0.047 J**	**0.023 J**	< 0 U	**0.012 J**
cPAHs, nd RL*0.5	--	--	--	--	--		**0.034 J**	**0.19 J**	**0.18 J**	**0.17 J**	**0.18 J**	< 0.034 U	**0.17 J**
cPAHs, nd RL*1	--	--	--	--	--		**0.064 J**	**0.22 J**	**0.31 J**	**0.29 J**	**0.34 J**	< 0.069 U	**0.33 J**
Phthalates (µg/L)													
Bis(2-ethylhexyl)phthalate	--	--	--	5.9	2.2		< 2.8 U	< 14 U	< 14 U	< 14 U	< 14 U	**6.3 J**	< 15 U
Butylbenzylphthalate	--	--	--	--	1,900		**0.25 J**	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	< 0.57 U	**1.5 J**
Di-n-butylphthalate	--	--	--	12,000	4,500		**0.15 J**	< 1.9 U	< 1.9 U	< 1.9 U	< 3.8 U	< 0.38 U	< 1.9 U
Diethylphthalate	--	--	--	120,000	44,000		< 0.38 U	< 0.73 U	< 0.82 U	< 0.83 U	< 1.9 U	< 0.31 U	**0.88 J**
Dimethylphthalate	--	--	--	2,900,000	1,100,000		**0.31 J**	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Di-n-octyl phthalate	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Phenols (µg/L)													
2,3,4,6-Tetrachlorophenol	--	--	--	--	--		na	< 3.3 U	< 3.3 U	< 3.3 U	na	< 0.66 U	< 3.4 U
2,4,5-Trichlorophenol	--	--	--	--	3,600		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2,4,6-Trichlorophenol	--	--	--	6.5	2.4		< 0.57 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	< 0.57 U	< 2.9 U
2,4-Dichlorophenol	--	--	--	790	290		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2,4-Dimethylphenol	--	--	--	--	850		< 1.9 U	< 9.5 U	< 9.5 U	< 9.5 U	< 9.5 U	< 1.9 U	< 9.7 U
2,4-Dinitrophenol	--	--	--	14,000	5,300		< 4.7 U	< 24 U	< 24 U	< 24 U	< 24 U	< 4.7 U	< 24 UJ
2-Chlorophenol	--	--	--	--	150		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2-Methylphenol	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2-Nitrophenol	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
4,6-Dinitro-2-methylphenol	--	--	--	765	280		< 3.8 U	< 19 U	< 19 U	< 19 U	< 19 U	< 3.8 UJ	< 19 U
4-Chloro-3-methylphenol	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
4-Methylphenol	--	--	--	--	--		**3.4**	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 0.76 U	**12**
4-Nitrophenol	--	--	--	--	--		< 2.8 U	< 14 U	< 14 U	< 14 U	< 14 U	< 2.8 U	< 15 U

Table 5. Water Sample Results
NPDES Inspection Sampling Support

Analyte	ISGP Benchmark	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC HHO	NR WQC HHO	Location ID	SP-OWS-01	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-CB-11	WM-FT-1B
						Collection Date	10/8/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	2/3/2015	1/22/2015
							Result	Result	Result	Result	Result	Result	Result
Pentachlorophenol	--	7.9	13	8.2	3.0		< 0.66 U	**0.88 J**	**3.5**	**3.6**	< 3.3 U	< 0.66 U	**1.7 J**
Phenol	--	--	--	4,600,000	860,000		< 0.57 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	**0.15 J**	**0.92 J**
Other SVOCs (µg/L)													
1,2,4-Trichlorobenzene	--	--	--	--	70		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
1,2-Dichlorobenzene	--	--	--	17,000	1,300		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
1,3-Dichlorobenzene	--	--	--	2,600	960		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
1,4-Dichlorobenzene	--	--	--	2,600	190		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2,4-Dinitrotoluene	--	--	--	9.1	3.4		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
2,6-Dinitrotoluene	--	--	--	--	--		< 0.38 U	< 1.9 U	**0.55 J**	**0.55 J**	< 1.9 U	**0.17 J**	< 1.9 U
2-Nitroaniline	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
3,3'-Dichlorobenzidine	--	--	--	0.077	0.028		< 1.9 U	R	R	R	< 9.5 UJ	< 1.9 U	< 10 U
3-Nitroaniline	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
4-Bromophenyl-phenylether	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
4-Chloroaniline	--	--	--	--	--		< 0.38 U	R	R	R	< 1.9 UJ	0.38 R	< 1.9 U
4-Chlorophenyl-phenylether	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
4-Nitroaniline	--	--	--	--	--		< 0.57 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	< 0.57 U	< 2.9 U
Benzoic Acid	--	--	--	--	--		**3.6**	< 14 U	< 14 U	< 14 U	**3.4 J**	**0.95 J**	**10 J**
Benzyl Alcohol	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	0.17 J	1.2 J
2,2'-Oxybis(1-chloropropane)	--	--	--	170,000	65,000		**0.38**	< 1.9 U	< 1.9 U	< 1.9 U	< 1 U	< 0.38 U	< 1.9 U
Bis(2-Chloroethoxy) Methane	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Bis-(2-Chloroethyl) Ether	--	--	--	1.4	0.53		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Carbazole	--	--	--	--	--		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Hexachlorobenzene	--	--	--	0.00077	0.00029		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Hexachlorobutadiene	--	--	--	50	18		< 0.57 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	< 0.57 U	< 2.9 U
Hexachlorocyclopentadiene	--	--	--	17,000	1,100		< 1.9 U	< 9.5 U	< 9.5 U	< 9.5 U	< 9.5 U	< 1.9 U	< 9.7 U
Hexachloroethane	--	--	--	8.9	3.3		< 0.57 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.9 U	< 0.57 U	< 2.9 U
Isophorone	--	--	--	600	960		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
Nitrobenzene	--	--	--	1,900	690		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U
N-Nitrosodimethylamine	--	--	--	8.1	3.0		< 1.9 U	< 9.5 U	< 9.5 U	< 9.5 U	< 9.5 U	< 1.9 U	< 9.7 U
N-Nitroso-di-N-propylamine	--	--	--	--	0.51		< 0.38 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	**0.30 J**	< 1.9 U
N-Nitrosodiphenylamine	--	--	--	16	6.0		< 0.38 U	**0.82 J**	< 1.9 U	< 1.9 U	< 1.9 U	< 0.38 U	< 1.9 U

Results in **bold** are detections.

Results that are shaded in gray exceed one or more criteria.

a - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	AS-CB-UNK					BD-MH-1.32					BD-MH-5.16					BD-MH-11.31				
Collection Date	1/20/2015					12/22/2014					12/15/2014					12/15/2014				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																				
Copper	4.6	17	11																	
Lead		6.7																		
Mercury		10																		
Nickel		2.8																		
Zinc	1.5	2.1	1.9																	
PCB Congeners																				
Total PCB Congeners		4.6		812	2,156				1.5	3.9				63	167				11	30
PAHs																				
Benzo(a)anthracene									1.1	1.8										
Benzo(a)pyrene									1.6	2.8										
Benzo(b)fluoranthene									3.5	6.1										
Benzo(k)fluoranthene										1.3										
Chrysene									2.3	4.0										
Dibenz(a,h)anthracene																				
Indeno(1,2,3-cd)pyrene										1.4										
Phthalates																				
Bis(2-ethylhexyl)phthalate																				
Phenols																				
Pentachlorophenol																				

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	BD-MH-12.56					BD-OWS-02					BD-OWS-14					CC-A-01				
Collection Date	12/22/2014					12/3/2014					12/22/2014					10/13/2014				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																				
Copper																	3.2	2.1		
Lead																				
Mercury																				
Nickel																				
Zinc						1.1	1.5	1.4												
PCB Congeners																				
Total PCB Congeners					1.5		1.8		315	838					2.6				59	158
PAHs																				
Benzo(a)anthracene				2.9	4.9															
Benzo(a)pyrene				3.9	6.7															
Benzo(b)fluoranthene				10	17									1.3	2.2					
Benzo(k)fluoranthene				3.5	6.1															
Chrysene				4.8	8.3										1.4					
Dibenz(a,h)anthracene					1.1															
Indeno(1,2,3-cd)pyrene				2.8	4.9															
Phthalates																				
Bis(2-ethylhexyl)phthalate																				
Phenols																				
Pentachlorophenol																				

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	CC-FD-02					CS-SP-01					CS-TS-01					DS-CB-F3				
Collection Date	10/13/2014					9/3/2014					9/3/2014					12/16/2014				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																				
Copper		3.2	2.1			2.1	7.8	5.0			1.8	6.7	4.3				1.1			
Lead																				
Mercury							3.5					2.4								
Nickel																				
Zinc						1.7	2.3	2.1			2.1	2.8	2.5							
PCB Congeners																				
Total PCB Congeners				61	161				94	248				23	62				1.3	3.4
PAHs																				
Benzo(a)anthracene																				
Benzo(a)pyrene																				
Benzo(b)fluoranthene																				
Benzo(k)fluoranthene																				
Chrysene																				
Dibenz(a,h)anthracene																				
Indeno(1,2,3-cd)pyrene																				
Phthalates																				
Bis(2-ethylhexyl)phthalate																				
Phenols																				
Pentachlorophenol																				

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	IA-MHS-05					IA-CBN-60					IA-CV-01					PS-OS-01				
Collection Date	10/20/2014					10/20/2014					10/20/2014					9/9/2014				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																1.0				
Copper		2.0	1.3			1.5	5.6	3.6				2.6	1.7				1.9	1.2		
Lead							1.3					2.1								
Mercury																				
Nickel																				
Zinc							1.2	1.1								1.4	1.9	1.7		
PCB Congeners																				
Total PCB Congeners				4.5	12				166	441				37	98				72	192
PAHs																				
Benzo(a)anthracene									1.2	2.0										
Benzo(a)pyrene																				
Benzo(b)fluoranthene									4.2	7.2				4.8	8.3					
Benzo(k)fluoranthene									2.2	3.7										
Chrysene									4.5	7.8				5.8	10					
Dibenz(a,h)anthracene																				
Indeno(1,2,3-cd)pyrene									1.6	2.8										
Phthalates																				
Bis(2-ethylhexyl)phthalate					1.3									1.9	5.0					
Phenols																				
Pentachlorophenol																				

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	PS-TS-01					SC-MH-20					SP-OWS-01					ST-OF-01				
Collection Date	9/9/2014					12/11/2014					10/8/2014					2/10/2015				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																				
Copper	1.1	4.0	2.6			4.6	17	11			6.3	24	15			7.9	29	19		
Lead							1.5									1.0	10			
Mercury																	9.2			
Nickel																	4.0			
Zinc	30	41	37			1.9	2.6	2.3				1.1				3.4	4.7	4.2		
PCB Congeners																				
Total PCB Congeners				5.1	13		1.7		304	806				82	219		2.7		478	1,269
PAHs																				
Benzo(a)anthracene																			7.1	
Benzo(a)pyrene									7.4	13									3.2	
Benzo(b)fluoranthene														1.1	1.8				7.7	
Benzo(k)fluoranthene																			4.2	
Chrysene														1.3	2.2				11	
Dibenz(a,h)anthracene									7.4	13										
Indeno(1,2,3-cd)pyrene																				
Phthalates																				
Bis(2-ethylhexyl)phthalate																				
Phenols																				
Pentachlorophenol										1.5										

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	ST-TS-01					ST-FD-02					UG-MH-60					WM-CB-11				
Collection Date	2/10/2015					2/10/2015					9/11/2014					2/3/2015				
	Exceedance Factor					Exceedance Factor					Exceedance Factor					Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals																				
Cadmium																1.1				
Copper	3.8	14	9.2			3.4	13	8.3				2.9	1.9			10	37	24		
Lead		5.2					4.7										6.2			
Mercury		4.8					7.6					8.4								
Nickel		2.5					2.2										3.3			
Zinc	1.4	1.9	1.7			1.3	1.8	1.6			3.8	5.3	4.7			5.5	7.5	6.7		
PCB Congeners																				
Total PCB Congeners		4.7		824	2,188		4.0		712	1,891				9.1	24		1.1		202	538
PAHs																				
Benzo(a)anthracene				5.8					5.8					6.8	12					
Benzo(a)pyrene																				
Benzo(b)fluoranthene				6.1					5.5											
Benzo(k)fluoranthene																				
Chrysene				5.8					6.8					5.2	8.9					
Dibenz(a,h)anthracene																				
Indeno(1,2,3-cd)pyrene									3.1											
Phthalates																				
Bis(2-ethylhexyl)phthalate																			1.1	2.9
Phenols																				
Pentachlorophenol					1.2					1.2										

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 6. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID	WM-FT-1B				
Collection Date	1/22/2015				
	Exceedance Factor				
Analyte	ISGP Benchmark	WA Marine Chronic	WA Marine Acute	NTR Human Health - Organisms	NR Human Health - Organisms
Total Metals					
Cadmium					
Copper		2.2	1.5		
Lead					
Mercury		1.7			
Nickel					
Zinc	3.2	4.3	3.9		
PCB Congeners					
Total PCB Congeners				71	189
PAHs					
Benzo(a)anthracene				3.5	
Benzo(a)pyrene					
Benzo(b)fluoranthene					
Benzo(k)fluoranthene					
Chrysene				4.2	7.2
Dibenz(a,h)anthracene					
Indeno(1,2,3-cd)pyrene					
Phthalates					
Bis(2-ethylhexyl)phthalate					
Phenols					
Pentachlorophenol					

Exceedance Factors (EFs) are presented for detected concentrations only.

Only chemicals with EF > 1 are shown.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR Water Quality Criteria.

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02	CS-SP-01	CS-TS-01	DS-CB-F3	IA-CBN-60
Collection Date	**2/20/2015**	**12/22/2014**	**12/15/2014**	**12/15/2014**	**12/22/2014**	**12/3/2014**	**12/22/2014**	**10/13/2014**	**10/13/2014**	**9/3/2014**	**9/3/2014**	**12/16/2014**	**10/20/2014**
Analyte	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Total PCB Congeners (µg/L)	0.138 J	0.000252 J	0.0107 J	0.00191 J	0.000956 J	0.0536 J	0.000164 J	0.0101 J	0.0103 J	0.0159 J	0.00398 J	0.000217 J	0.0282 J
Total PCB Congeners (pg/L)	138,000 J	252 J	10,700 J	1,910 J	95.6 J	53,600 J	164 J	10,100 J	10,300 J	15,900 J	3,980 J	217 J	28,200 J
Total Mono-CB (pg/L)	41.6	< 0.882 U	1.70 J	< 2.55 U	< 1.13 U	13.8 J	< 1.84 U	6.01 J	6.03 J	< 6.75 U	< 11.4 U	< 3.62 U	9.32 J
PCB-1	18.4	< 0.871 U	1.70 J	< 2.55 U	< 1.07 U	13.8	< 1.83 U	2.64 J	2.50 J	< 5.50 U*	< 11.4 U	< 3.62 U	5.43
PCB-2	7.37	< 0.882 U	< 1.34 U	< 2.36 U	< 1.13 U	< 2.01 U*	< 1.84 U	1.06 J	1.05 J	< 1.75 U	< 2.11 U	< 3.11 U	< 3.94 U
PCB-3	15.8	< 0.452 U*	< 1.30 U	< 2.29 U	< 1.13 U	< 3.00 U*	< 1.84 U	2.31 J	2.48 J	< 6.75 U	< 3.96 U	< 3.10 U	3.89 J
Total Di-CB (pg/L)	1,830	2.31 J	67.2 J	52.1 J	4.01 J	625 J	15.5 J	29.5 J	24.0 J	310 J	260 J	< 4.21 U	24.2 J
PCB-4/10	52.1	< 4.22 U	7.53 J	10.2 J	< 8.52 U*	251	8.90 J	6.28 J	< 6.14 U*	< 5.64 U	37.3	< 4.21 U	< 10.5 U
PCB-5/8	173	< 3.51 U	9.46 J	13.1 J	< 3.98 U	131	< 3.56 U	11.2 J	11.2 J	114 J	83.8	< 3.46 U	14.5 J
PCB-6	49.5	< 3.60 U	5.74 J	7.33 J	< 4.08 U	93.5	< 3.66 U	< 5.86 U	< 2.83 U*	< 3.10 U	16.4	< 3.56 U	< 8.76 U
PCB-7/9	21.1	< 3.55 U	< 4.98 U	< 6.91 U	< 4.03 U	15.4 J	< 3.61 U	< 5.82 U	< 6.01 U	< 6.22 U	6.97 J	< 3.51 U	< 8.70 U
PCB-11	1,300	< 8.77 U	31.2	12.5	< 7.78 U	< 29.4 U*	< 3.51 U	< 78.5 U	< 80.4 U	107	70.2	< 3.19 U	< 46.9 U
PCB-12/13	27.0	< 3.23 U	< 4.64 U	< 6.60 U	< 3.89 U	< 15.0 U*	< 3.56 U	< 5.78 U	< 5.98 U	< 5.01 U	5.71 J	< 3.23 U	< 8.98 U
PCB-14	< 9.25 U	< 2.79 U	< 4.14 U	< 5.89 U	< 3.35 U	< 10.6 U	< 3.07 U	< 5.16 U	< 5.33 U	< 3.98 U	< 3.47 U	< 2.79 U	< 8.01 U
PCB-15	207	2.31 J	13.3	8.94 J	4.01 J	134	6.55	12.0	12.8	89.2 J	39.9	< 2.84 U	9.74 J
Total Tri-CB (pg/L)	2,790 J	18.0 J	268 J	210 J	50.3 J	5,160 J	41.5 J	120 J	128 J	1,150 J	506 J	< 2.96 U	106 J
PCB-16/32	290	< 4.88 U	31.9	24.2	< 9.03 U	643	< 15.2 U	12.0	12.2	115	58.6	< 2.06 U	12.0
PCB-17	146	1.96 J	15.0	14.8	5.50	371	5.90	5.92	5.53	62.5	31.1	< 2.25 U	5.88
PCB-18	414	5.96	35.9	35.5	15.7	1,040	18.0	16.4	17.3	168	87.2	< 2.43 U	16.1
PCB-19	44.4	< 0.923 U	6.22	7.15	3.94 J	147	9.86	2.87 J	2.89 J	15.9 J	10.0	< 2.89 U	< 1.37 U
PCB-20/21/33	275	< 1.83 U*	19.2	13.0 J	2.82 J	142	< 1.17 U*	13.2 J	13.5 J	153	67.6	< 2.81 U	12.0 J
PCB-22	190	< 1.23 U*	17.8	12.1	< 2.19 U	313	< 0.701 U	8.66	9.01	93.4	37.2	< 2.79 U	6.25
PCB-23	< 4.37 U	< 0.527 U	< 1.93 U	< 1.23 U	< 0.888 U	< 1.22 U	< 0.674 U	< 0.858 U	< 0.791 U	< 1.35 U	< 0.555 U	< 2.68 U	< 1.82 U
PCB-24/27	51.8	< 0.586 U	5.97 J	7.57 J	3.39 J	93.0	< 5.85 U*	2.03 J	2.07 J	18.0 J	7.43 J	< 1.66 U	< 0.960 U
PCB-25	81.6	< 0.581 U	5.62	5.84	< 2.64 U*	63.0	< 0.743 U	< 1.54 U*	2.12 J	17.5 J	6.95	< 2.96 U	2.30 J
PCB-26	150	< 0.515 U	12.9	16.3	4.75 J	139	3.30 J	< 4.12 U*	5.13	33.4 J	15.6	< 2.62 U	3.77 J
PCB-28	429	6.39	53.4	36.9	7.08	1,120	< 5.82 U*	18.6	18.2	179	72.3	< 2.62 U	15.5
PCB-29	< 3.04 U*	< 0.527 U	< 1.91 U	< 1.21 U	< 0.888 U	< 2.86 U*	< 0.674 U	< 0.846 U	< 0.780 U	< 1.60 U	< 0.548 U	< 2.68 U	< 1.79 U
PCB-30	< 0.837 U	< 0.583 U	< 1.59 U	< 0.889 U	< 0.927 U	< 0.901 U	< 1.01 U	< 0.675 U	< 0.649 U	< 2.09 U	< 0.463 U	< 1.83 U	< 0.969 U
PCB-31	447	3.68 J	36.9	23.9	7.08	654	4.40 J	18.8	20.0	160	68.7	< 2.59 U	14.8
PCB-34	< 4.08 U	< 0.490 U	< 2.01 U	< 1.28 U	< 0.826 U	< 4.28 U*	< 0.627 U	< 0.892 U	< 0.822 U	< 2.34 U	< 0.577 U	< 2.50 U	< 1.89 U
PCB-35	27.7	< 0.550 U	2.08 J	< 1.17 U	< 0.867 U	5.66	< 0.654 U	3.89 J	3.71 J	10.1 J	3.73 J	< 2.53 U	4.78 J
PCB-36	4.98 J	< 0.531 U	< 1.69 U	< 1.17 U	< 0.838 U	< 1.24 U	< 0.633 U	< 0.868 U	< 0.791 U	< 2.69 U	< 0.648 U	< 2.44 U	< 2.03 U
PCB-37	225	< 3.23 U	23.5	12.3	< 0.807 U	417	< 1.75 U	17.6	16.8	119	39.7	< 2.35 U	12.2
PCB-38	11.5	< 0.556 U	1.77 J	< 1.19 U	< 0.877 U	15.6	< 0.662 U	< 0.882 U	< 0.805 U	< 1.56 U	< 0.659 U	< 2.55 U	< 2.07 U
PCB-39	< 4.51 U	< 0.547 U	< 1.64 U	< 1.13 U	< 0.864 U	< 1.20 U	< 0.652 U	< 0.842 U	< 0.767 U	< 2.60 U	< 0.628 U	< 2.52 U	< 1.97 U
Total Tetra-CB (pg/L)	8,230 J	55.4 J	1,020 J	345 J	37.0 J	23,800 J	32.5 J	793 J	782 J	1,990 J	503 J	30.9 J	1,010 J
PCB-40	146	2.92 J	17.4	7.68	< 1.50 U	545	< 2.77 U*	7.46	9.03	51.3	16.6	< 3.59 U	11.5
PCB-41/64/71/72	679	< 10.8 U	87.3	32.8	< 6.44 U	2,570	< 16.1 U	43.5	42.4	226	63.9	5.02 J	52.4
PCB-42/59	229	3.79 J	32.6	12.6	2.39 J	989	5.34 J	10.3	10.9	81.6 J	24.7	< 2.49 U	15.2
PCB-43/49	741	< 9.25 U	92.6	43.2	< 10.3 U	2,140	< 18.9 U	37.1	38.7	147	45.5	< 2.93 U*	55.2
PCB-44	939	< 13.8 U	120	36.0	< 6.68 U	2,750	< 14.6 U	77.6	74.9	232	66.4	6.05	97.3
PCB-45	114	1.74 J	13.5	4.87 J	< 1.62 U*	421	3.89 J	3.90 J	4.50 J	37.5 J	13.8	< 3.15 U	< 4.14 U*
PCB-46	49.3	< 1.05 U	6.11	1.83 J	< 1.49 U	172	2.38 J	2.71 J	2.38 J	19.1 J	5.68	< 2.43 U	< 2.44 U*
PCB-47	242	15.5	36.0	18.0	17.5	776	< 7.66 U	11.0	9.99	58.8	< 16.9 U	< 2.57 U	12.3
PCB-48/75	83.0	1.57 J	11.9	4.08 J	1.06 J	497	< 1.69 U*	4.41 J	3.73 J	< 40.0 U*	13.8	< 2.32 U	7.20 J
PCB-50	2.77 J	< 0.991 U	< 2.29 U	< 3.44 U	< 1.33 U	6.18	< 1.48 U	< 1.94 U	< 1.40 U	< 1.40 U	< 0.998 U	< 3.20 U	< 2.66 U
PCB-51	46.3	3.49 J	12.7	7.50	5.31	105	2.75 J	2.18 J	1.75 J	15.6 J	3.58 J	< 2.82 U	1.50 J
PCB-52/69	1,560	< 21.8 U	183	56.9	< 16.7 U	2,720	< 31.2 U	141	136	248	< 68.7 U	10.4	170
PCB-53	145	1.94 J	22.7	12.3	< 3.27 U*	343	9.03	5.02	5.20	27.9 J	10.5	< 2.88 U	6.25
PCB-54	2.84 J	< 0.753 U	< 1.67 U*	< 2.77 U	< 1.01 U	< 4.93 U*	< 1.12 U	< 1.56 U	< 1.13 U	< 1.51 U	< 0.806 U	< 2.43 U	< 2.15 U
PCB-55	35.8	< 0.743 U	4.28 J	< 2.21 U	< 0.921 U	40.4	< 0.920 U	3.73 J	< 1.81 U*	< 1.19 U	2.03 J	< 1.90 U	< 5.58 U*

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02	CS-SP-01	CS-TS-01	DS-CB-F3	IA-CBN-60
Collection Date	2/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014	9/3/2014	9/3/2014	12/16/2014	10/20/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-56/60	458	< 7.93 U	62.3	19.8	< 2.68 U*	2,150	< 5.88 U*	45.8	46.0	168	48.5	< 2.12 U	70.0
PCB-57	8.46	< 0.748 U	< 1.46 U	< 2.25 U	< 0.988 U	15.3	< 1.05 U	< 1.37 U	< 1.01 U	< 0.857 U	< 0.857 U	< 2.10 U	< 2.01 U
PCB-58	3.25 J	< 0.737 U	< 1.47 U	< 2.27 U	< 0.974 U	< 5.65 U*	< 1.04 U	< 1.38 U	< 1.02 U	< 1.81 U	< 1.02 U	< 2.07 U	< 2.03 U
PCB-61/70	1,170	17.6	141	34.8	6.54 J	2,280	9.10 J	208	215	309	82.9	2.89 J	290
PCB-62	< 2.32 U	< 0.711 U	< 1.78 U	< 2.76 U	< 0.945 U	< 1.06 U	< 1.09 U	< 1.58 U	< 1.15 U	< 1.46 U	< 0.976 U	< 2.26 U	< 2.20 U
PCB-63	24.5	< 0.720 U	3.96 J	< 2.24 U	< 0.952 U	95.6	< 1.01 U	2.55 J	< 1.89 U*	< 0.696 U	2.51 J	< 2.02 U	< 2.00 U
PCB-65	< 2.40 U	< 0.733 U	< 1.73 U	< 2.68 U	< 0.975 U	< 1.03 U	< 1.13 U	< 1.53 U	< 1.11 U	< 0.953 U	< 0.945 U	< 2.34 U	< 2.13 U
PCB-67	28.6	< 0.767 U	2.79 J	< 2.33 U	< 1.01 U	70.5	< 1.08 U	2.75 J	2.91 J	< 1.22 U	2.49 J	< 2.16 U	4.80 J
PCB-68	9.89	3.22 J	1.88 J	2.56 J	4.24 J	13.1	< 0.920 U	< 1.37 U	< 0.998 U	< 1.24 U	1.30 J	< 1.91 U	< 1.92 U
PCB-73	< 2.34 U	< 0.704 U	< 1.68 U	< 2.76 U	< 1.00 U	< 1.06 U	< 1.08 U	< 1.54 U	< 1.15 U	< 1.56 U	< 0.940 U	< 2.32 U	< 2.14 U
PCB-74	325	< 5.42 U	45.1	13.4	< 2.57 U	1,380	< 3.88 U*	39.6	39.1	97.5	26.6	2.25 J	49.6
PCB-76/66	871	< 10.0 U	91.4	29.8	< 3.91 U	3,400	< 9.20 U	70.4	70.6	208	56.2	4.27 J	90.6
PCB-77	228	3.65 J	16.8	4.80 J	< 1.04 U	273	< 1.07 U	64.2	68.0	61.3	13.8	< 1.92 U	52.7
PCB-78	< 2.25 U	< 0.818 U	< 1.42 U	< 2.04 U	< 1.06 U	7.07	< 1.09 U	< 1.38 U	< 1.08 U	< 0.990 U	< 0.990 U	< 1.94 U	< 2.35 U
PCB-79	63.9	< 0.788 U	7.28	2.20 J	< 0.977 U	< 29.8 U*	< 0.976 U	7.56	< 5.17 U*	< 1.60 U	1.75 J	< 2.02 U	14.1
PCB-80	< 1.93 U	< 0.691 U	< 1.24 U	< 1.92 U	< 0.855 U	< 0.800 U	< 0.855 U	< 1.15 U	< 0.868 U	< 1.98 U	< 0.879 U	< 1.77 U	< 1.90 U
PCB-81	27.8	< 0.746 U	4.36 J	< 1.83 U	< 0.968 U	18.8	< 0.994 U	2.20 J	1.37 J	< 2.34 U	0.666 J	< 1.77 U	5.46
Total Penta-CB (pg/L)	36,600	60.6 J	3,350 J	476 J	4.33 J	17,800 J	36.5 J	3,600 J	3,610 J	3,600 J	824 J	84.0 J	10,400 J
PCB-82	724	7.94	70.7	8.22	< 4.04 U	515	3.00 J	73.8	76.5	98.0	< 16.9 U*	< 4.28 U	248
PCB-83	< 4.83 U	< 1.71 U	< 2.52 U	< 3.24 U	< 2.50 U	< 2.90 U*	< 2.75 U	< 1.96 U	< 1.87 U	< 1.32 U	< 1.32 U	< 2.66 U	< 2.82 U
PCB-84/92	2,510	< 23.9 U	211	33.1	< 5.49 U	1,240	< 13.2 U	198	191	223	56.7	9.18 J	448
PCB-85/116	937	< 6.47 U*	89.0	< 10.1 U*	< 2.98 U	726	3.69 J	79.4	80.0	87.6 J	20.2	< 3.47 U*	244
PCB-86	< 7.78 U	< 2.74 U	< 3.75 U	< 4.82 U	< 4.02 U	< 5.09 U	< 4.42 U	< 2.92 U	< 2.78 U	< 2.34 U	< 2.34 U	< 4.28 U	< 4.19 U
PCB-87/117/125	1,900	< 20.7 U	199	23.8	< 4.15 U	1,130	< 8.32 U*	212	215	214	47.0	4.11 J	641
PCB-88/91	817	6.38	83.6	15.4	< 3.21 U	610	6.65	60.2	58.4	< 53.3 U*	14.2	< 5.69 U*	103
PCB-89	31.8	< 2.55 U	4.10 J	< 3.41 U	< 3.79 U	71.5	< 4.20 U	3.05 J	2.75 J	< 1.84 U	< 1.84 U	< 3.75 U	7.50
PCB-90/101	5,590	< 50.9 U	524	71.5	< 10.6 U	2,610	< 26.9 U	541	537	557	142	15.5	1,210
PCB-93	< 7.31 U	< 2.32 U	< 3.48 U	< 3.39 U	< 3.40 U	< 2.27 U	< 4.32 U	< 2.74 U	< 2.38 U	< 1.47 U	< 1.47 U	< 3.82 U	< 3.77 U
PCB-94	35.8	< 2.18 U	2.45 J	< 3.46 U	< 3.19 U	22.4	< 4.05 U	< 2.80 U	< 2.43 U	< 1.91 U	< 1.91 U	< 3.59 U	< 3.85 U
PCB-95/98/102	4,380	< 38.6 U	381	65.2	< 11.9 U	1,990	< 23.9 U	344	341	358	93.1	21.1	592
PCB-96	35.4	< 1.49 U	3.28 J	2.02 J	< 2.30 U	36.4	< 2.88 U	< 2.16 U	< 2.08 U*	< 2.16 U	< 2.16 U	< 2.74 U	4.12 J
PCB-97	1,470	14.3	157	22.1	< 3.20 U	975	9.61	157	160	167	37.1	< 3.41 U	446
PCB-99	2,330	18.9	201	30.7	4.33 J	1,390	12.0	170	171	211	47.7	< 4.68 U*	418
PCB-100	18.2	< 1.69 U	< 1.42 U*	< 3.07 U	< 2.61 U	10.9	< 3.27 U	< 2.35 U	< 2.19 U	< 2.03 U	< 2.03 U	< 3.11 U	< 3.04 U
PCB-103	32.8	< 1.69 U	2.05 J	2.16 J	< 2.60 U	21.6	< 3.25 U	2.88 J	< 1.73 U*	< 2.28 U	< 2.28 U	< 3.09 U	< 3.26 U
PCB-104	< 4.56 U	< 1.29 U	< 2.42 U	< 2.45 U	< 1.99 U	< 1.55 U	< 2.49 U	< 1.87 U	< 1.75 U	< 0.931 U	< 0.931 U	< 2.37 U	< 2.42 U
PCB-105	1,380	< 18.7 U	170	27.4	< 2.10 U	837	< 8.07 U	272	275	249	57.4	4.49 J	1,140
PCB-106/118	4,170	< 48.5 U	451	63.8	< 8.11 U	2,100	< 19.9 U	649	655	600	130	9.85	2,400
PCB-107/109	292	4.00 J	34.5	6.50 J	< 2.24 U	178	1.55 J	49.3	49.0	45.7 J	11.0	< 2.38 U	148
PCB-108/112	232	2.38 J	23.1	3.62 J	< 2.95 U	178	< 1.96 U*	23.0	24.7	34.0 J	6.84 J	< 3.15 U	59.8
PCB-110	8,880	< 64.4 U	676	91.8	< 12.5 U	2,760	< 32.5 U	665	671	708	148	19.8	2,000
PCB-111/115	106	0.823 J	7.28 J	1.74 J	< 2.24 U	67.6	< 2.46 U	9.57 J	8.84 J	< 0.768 U	< 2.19 U*	< 2.38 U	14.5
PCB-113	< 5.54 U	< 1.90 U	< 2.56 U	< 3.27 U	< 2.82 U	< 3.41 U	< 3.12 U	2.71 J	< 1.82 U	< 1.31 U	2.75 J	< 2.78 U	< 2.84 U
PCB-114	49.1	1.16 J	9.07	< 2.12 U	< 1.26 U	66.5	< 1.29 U	12.1	13.2	13.6 J	< 1.81 U	< 2.44 U	51.7
PCB-119	91.3	0.894 J	10.3	2.90 J	< 2.21 U	72.5	< 2.43 U	7.65	6.88	17.7 J	2.84 J	< 2.35 U	15.8
PCB-120	11.0	< 1.43 U	< 2.15 U	< 2.76 U	< 2.09 U	< 4.83 U*	< 2.30 U	< 1.68 U	2.80 J	< 1.01 U	< 1.18 U*	< 2.23 U	< 2.19 U*
PCB-121	< 4.41 U	< 1.40 U	< 2.07 U	< 2.01 U	< 2.05 U	< 1.35 U	< 2.60 U	< 1.63 U	< 1.41 U	< 1.94 U	< 1.89 U	< 2.30 U	< 2.24 U
PCB-122	78.2	< 1.44 U	4.47 J	< 2.33 U	< 1.50 U	39.6	< 1.53 U	7.50	8.00	< 1.84 U	< 1.84 U	< 2.90 U	< 21.6 U*
PCB-123	104	< 1.00 U*	7.32	< 2.79 U	< 2.39 U	< 48.2 U*	< 2.87 U	9.91	9.49	< 1.35 U	< 1.91 U*	< 2.54 U	31.0
PCB-124	289	2.79 J	21.1	4.07 J	< 2.30 U	88.0	< 2.75 U	31.5	31.5	< 1.79 U	7.24	< 2.44 U	99.5
PCB-126	63.4	0.995 J	5.78	< 2.24 U	< 1.30 U	9.88	< 1.35 U	17.5	18.6	18.5 J	< 3.87 U*	< 2.59 U	36.6
PCB-127	< 4.72 U	< 1.31 U	< 2.10 U	< 2.16 U	< 1.38 U	< 1.66 U	< 1.36 U	< 3.24 U	< 3.98 U	< 0.808 U	< 0.808 U	< 2.49 U	< 12.7 U

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02	CS-SP-01	CS-TS-01	DS-CB-F3	IA-CBN-60
Collection Date	2/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014	9/3/2014	9/3/2014	12/16/2014	10/20/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Hexa-CB (pg/L)	52,900 J	41.3 J	3,540 J	505 J	< 10.7 U	5,000 J	10.4 J	3,620 J	3,720 J	4,770 J	1,000 J	59.9 J	13,100 J
PCB-128/162	2,340	< 12.8 U*	138	18.9	< 2.38 U	160	< 6.92 U	140	143	153	33.0	5.01 J	831
PCB-129	645	< 3.98 U*	41.7	5.05	< 2.24 U	65.8	< 2.27 U*	43.8	42.1	50.7	9.43	< 3.33 U	245
PCB-130	936	6.58	58.5	7.87	< 2.47 U	78.6	< 2.69 U*	60.6	66.8	81.6	15.9	< 3.73 U	266
PCB-131	< 8.43 U	< 1.62 U	< 3.37 U	< 2.82 U	< 2.44 U	< 0.356 U*	< 2.50 U	< 3.90 U	< 5.23 U	< 1.46 U	< 1.46 U	< 3.58 U	< 2.13 U
PCB-132/161	3,450	< 23.3 U	216	35.5	< 1.84 U	335	< 11.0 U	210	228	300	63.2	< 6.30 U*	883
PCB-133/142	313	2.44 J	18.5	3.28 J	< 2.27 U	37.9	1.90 J	22.2	22.0	40.1 J	< 5.75 U*	< 3.33 U	76.6
PCB-134/143	659	< 3.77 U*	40.3	4.92 J	< 2.21 U	76.5	2.90 J	39.4	40.1	60.8 J	11.8	< 3.25 U	150
PCB-135	1,660	10.6	84.7	< 13.2 U*	< 4.59 U	173	< 4.64 U	91.3	89.1	99.6	26.8	< 5.24 U	229
PCB-136	1,300	9.68	77.0	13.8	< 3.21 U	170	3.87 J	71.2	75.6	108	25.2	< 3.66 U	153
PCB-137	612	4.98	45.5	4.61 J	< 1.93 U	70.2	< 1.45 U*	39.7	36.2	35.3 J	< 5.69 U*	< 2.91 U	220
PCB-138/163/164	13,200	< 89.9 U	882	121	< 10.7 U	1,010	< 38.6 U	876	905	1,220	250	21.5	3,760
PCB-139/149	8,710	< 63.5 U	578	92.7	< 7.11 U*	1,000	< 33.2 U	561	585	666	157	16.3	1,420
PCB-140	54.9	< 3.03 U	4.18 J	< 3.56 U	< 4.71 U	< 9.45 U*	< 4.76 U	5.68	6.35	< 3.52 U	< 3.52 U	< 5.38 U	12.1
PCB-141	2,410	< 17.4 U	177	22.6	< 1.97 U	196	< 7.56 U	181	189	231	51.5	3.73 J	563
PCB-144	378	3.05 J	28.8	5.84	< 4.28 U	69.1	< 4.32 U	30.9	37.1	< 3.22 U	8.37	< 4.89 U	85.0
PCB-145	3.75 J	< 2.15 U	< 2.93 U	< 3.84 U	< 3.35 U	< 2.42 U	< 3.38 U	< 1.08 U	< 0.885 U	< 1.73 U	< 1.73 U	< 3.82 U	< 2.09 U
PCB-146/165	1,750	< 12.1 U	99.6	16.1	< 1.91 U	138	< 6.74 U	111	110	190	37.4	< 3.13 U*	325
PCB-147	195	< 3.02 U	15.2	< 2.88 U*	< 4.70 U	47.3	< 4.75 U	12.7	11.4	< 3.62 U	< 3.62 U	< 5.37 U	51.5
PCB-148	< 7.89 U*	< 2.88 U	< 4.33 U	< 3.78 U	< 4.48 U	< 3.59 U	< 4.52 U	< 1.60 U	< 1.31 U	< 1.68 U	< 1.68 U	< 5.12 U	< 3.09 U
PCB-150	< 10.7 U*	< 2.09 U	< 3.01 U	< 3.94 U	< 3.25 U	< 2.49 U	< 3.28 U	1.30 J	< 1.59 U*	< 1.14 U	< 1.14 U	< 3.71 U	< 2.15 U
PCB-151	2,170	< 15.4 U	141	23.6	< 4.48 U	236	< 8.17 U	134	136	200	46.3	< 5.11 U	251
PCB-152	11.1	< 2.02 U	< 2.92 U	< 3.82 U	< 3.13 U	< 2.16 U*	< 3.16 U	< 1.08 U	< 0.881 U	< 1.82 U	< 1.82 U	< 3.58 U	< 2.08 U
PCB-153	8,950	< 67.5 U	662	97.6	< 10.2 U	823	< 33.4 U	737	740	1,050	217	13.4	2,150
PCB-154	92.0	< 2.65 U	7.99	< 3.17 U	< 4.11 U	14.4	< 4.15 U	8.71	9.69	< 2.78 U	4.09 J	< 4.70 U	14.9
PCB-155	< 4.57 U	< 1.97 U	< 2.82 U	< 3.70 U	< 3.06 U	< 2.34 U	< 3.09 U	< 1.04 U	< 0.852 U	< 1.45 U	< 1.45 U	< 3.59 U	< 2.02 U
PCB-156	812	< 8.45 U	71.6	9.45	< 1.26 U	95.4	< 3.56 U	72.5	77.9	110	< 18.9 U	< 2.15 U	559
PCB-157	323	< 1.57 U*	19.4	3.36 J	< 1.34 U	23.5	< 1.51 U	21.6	22.4	< 27.1 U*	5.20 J	< 2.20 U	129
PCB-158/160	1,360	< 10.6 U	97.2	12.8	< 1.50 U	127	< 3.87 U*	102	105	125	27.2	< 2.23 U	474
PCB-159	< 6.18 U	< 0.968 U	< 2.49 U	< 1.86 U	< 1.42 U	5.56	< 1.50 U	< 3.05 U	< 3.97 U	< 1.20 U	< 1.20 U	< 2.18 U	< 1.77 U
PCB-166	37.5	< 1.04 U	< 3.09 U	< 1.94 U	< 1.52 U	4.86	< 1.60 U	3.72 J	< 4.15 U	< 0.920 U	< 0.920 U	< 2.33 U	16.1
PCB-167	553	3.93 J	37.1	5.68	< 1.36 U	42.8	1.76 J	42.5	45.5	51.9	11.2	< 2.24 U	214
PCB-168	< 6.91 U*	< 1.01 U	< 2.25 U	< 1.88 U	< 1.52 U	< 1.13 U*	< 1.56 U	< 2.60 U	< 3.49 U	< 0.933 U	< 0.933 U	< 2.23 U	4.22 J
PCB-169	< 3.99 U*	< 1.02 U	< 2.26 U	< 1.93 U	< 1.40 U	< 2.00 U	< 1.59 U	< 4.54 U	< 6.02 U	< 1.12 U	< 1.12 U	< 2.45 U	< 2.14 U
Total Hepta-CB (pg/L)	27,100	33.9 J	1,930	264 J	< 5.36 U	1,000 J	12.2 J	1,630 J	1,700 J	3,150 J	656 J	42.5 J	3,210
PCB-170	3,310	< 25.4 U	244	33.6	< 2.00 U	122	< 7.87 U	178	184	384	86.6	4.94	658
PCB-171	876	8.08	63.2	9.04	< 1.54 U	35.9	2.91 J	53.4	52.9	135	< 22.4 U*	< 1.64 U	146
PCB-172	602	5.25	47.9	7.14	< 1.66 U	19.7	2.43 J	41.4	43.7	88.5	16.7	< 1.77 U	92.7
PCB-173	85.6	< 1.27 U	5.99	< 3.16 U	< 2.04 U	< 3.86 U*	< 1.64 U	< 3.61 U*	4.85	< 1.49 U	< 1.49 U	< 2.17 U	17.4
PCB-174	3,650	< 28.3 U	224	28.5	< 1.74 U	116	< 13.3 U	205	220	406	91.0	6.11	354
PCB-175	117	< 1.18 U	9.63	< 3.08 U	< 2.10 U	< 4.97 U*	< 1.54 U	8.89	8.49	< 19.3 U*	< 2.01 U*	< 1.89 U	13.1
PCB-176	381	3.14 J	24.0	3.76 J	< 1.51 U	17.4	1.59 J	20.4	24.0	< 42.3 U*	8.22	< 1.36 U	30.0
PCB-177	2,020	< 17.5 U	132	19.1	< 1.77 U	68.9	< 7.25 U	125	126	275	58.3	5.10	237
PCB-178	588	5.51	43.3	6.76	< 2.04 U	27.5	3.17 J	40.7	45.3	88.2	14.1	< 1.84 U	47.0
PCB-179	1,310	< 10.0 U	76.5	12.6	< 1.58 U	57.1	< 5.97 U	76.5	78.4	151	27.2	< 1.42 U	75.8
PCB-180	7,320	< 59.8 U	533	66.4	< 5.36 U	242	< 25.4 U	424	439	859	193	14.2	873
PCB-181	< 2.72 U	< 1.04 U	< 2.18 U	< 2.69 U	< 1.67 U	< 1.46 U*	< 1.34 U	< 1.26 U	< 2.25 U	< 1.01 U	< 1.01 U	< 1.77 U	5.11
PCB-182/187	3,670	< 38.2 U	278	43.0	< 4.00 U	161	< 17.4 U	255	267	461	84.4	8.47 J	280
PCB-183	1,630	< 15.0 U	125	18.6	< 1.80 U	77.5	< 6.74 U	95.5	101	213	36.3	3.67 J	170
PCB-184	9.58	< 0.926 U	< 1.89 U	< 2.41 U	< 1.64 U	< 1.42 U	< 1.21 U	< 0.792 U	0.940 J	< 1.25 U	< 1.22 U	< 1.48 U	< 1.91 U
PCB-185	389	3.03 J	23.3	3.60 J	< 1.60 U	13.2	< 1.29 U	24.6	26.0	38.4 J	10.2	< 1.70 U	29.5
PCB-186	< 1.60 U	< 0.850 U	< 1.83 U	< 2.34 U	< 1.51 U	< 1.38 U	< 1.11 U	< 0.768 U	< 1.36 U	< 2.43 U	< 1.19 U	< 1.36 U	< 1.85 U

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14	CC-A-01	CC-FD-02	CS-SP-01	CS-TS-01	DS-CB-F3	IA-CBN-60
Collection Date	2/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014	10/13/2014	10/13/2014	9/3/2014	9/3/2014	12/16/2014	10/20/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-188	8.36	< 0.814 U	< 1.67 U	< 2.12 U	< 1.44 U	< 1.25 U	< 1.06 U	1.47 J	1.15 J	< 1.08 U	< 1.08 U	< 1.30 U	< 1.68 U
PCB-189	125	1.11 J	10.2	1.36 J	< 1.21 U	4.50 J	< 0.935 U	6.86	6.71	< 1.49 U	< 2.41 U*	< 1.11 U	33.5
PCB-190	584	4.58 J	52.5	6.25	< 1.16 U	24.5	2.07 J	36.7	34.7	< 65.5 U*	15.5	< 1.14 U	92.4
PCB-191	113	< 1.30 U*	12.1	1.41 J	< 1.21 U	4.08 J	< 0.971 U	8.62	9.60	< 1.96 U	3.52 J	< 1.29 U	20.6
PCB-192	< 2.11 U	< 0.807 U	< 1.94 U	< 2.40 U	< 1.29 U	< 1.43 U	< 1.04 U	< 1.12 U	< 2.01 U	< 1.69 U	< 1.69 U	< 1.38 U	< 2.52 U
PCB-193	294	3.18 J	27.5	3.46 J	< 1.21 U	11.0	< 0.976 U	23.1	23.5	52.0	10.9	< 1.29 U	39.2
Total Octa-CB (pg/L)	7,010	35.8 J	435 J	46.3 J	< 3.62 U	246 J	11.3 J	306 J	333 J	744	197 J	< 4.47 U*	370 J
PCB-194	1,510	< 14.3 U	99.9	14.6	< 1.85 U	44.6	< 5.06 U	74.8	83.3	196	41.1	< 2.65 U*	157
PCB-195	731	5.71	37.0	5.51	< 1.24 U	16.9	2.76 J	29.4	32.9	74.5	18.6	< 2.56 U	53.4
PCB-196/203	1,810	21.7	130	19.8	< 2.93 U*	63.6	8.58 J	75.6	82.0	233	57.8	< 3.63 U	73.7
PCB-197	61.2	< 1.57 U	4.29 J	< 2.33 U	< 2.30 U	< 2.21 U*	< 2.28 U	3.14 J	3.12 J	< 1.80 U	< 1.80 U	< 2.58 U	< 3.99 U
PCB-198	103	< 2.44 U	7.16	< 3.37 U	< 3.56 U	3.41 J	< 3.53 U	2.30 J	< 1.95 U*	< 3.78 U	< 3.78 U	< 3.99 U	< 5.76 U
PCB-199	1,840	< 21.8 U	114	< 15.3 U*	< 3.62 U	59.8	< 7.46 U	79.3	87.0	240	51.1	< 4.47 U*	66.4
PCB-200	230	2.28 J	12.1	< 2.92 U	< 2.60 U	7.58	< 2.57 U	9.68	10.2	< 1.75 U	5.82	< 2.91 U	8.42
PCB-201	242	< 1.96 U*	10.1	2.82 J	< 2.45 U	< 6.25 U*	< 2.43 U	12.4	12.6	< 1.02 U	8.51	< 2.75 U	< 6.76 U*
PCB-202	407	5.42	15.6	3.59 J	< 2.64 U	11.2	< 2.61 U	19.3	21.6	< 1.55 U	11.4	< 2.95 U	< 9.24 U*
PCB-204	< 3.38 U	< 1.71 U	< 1.45 U	< 2.52 U	< 2.50 U	< 2.56 U	< 2.47 U	< 1.33 U	< 1.37 U	< 1.48 U	< 1.48 U	< 2.80 U	< 4.32 U
PCB-205	76.7	0.736 J	5.33	< 0.861 U	< 0.877 U	39.3	< 0.831 U	< 5.54 U	< 7.36 U	< 1.53 U	2.74 J	< 1.81 U	11.1
Total Nona-CB (pg/L)	1,350	3.31 J	34.3 J	6.14 J	< 1.71 U	2.05 J	4.35 J	41.2 J	39.3 J	149 J	27.9 J	< 2.60 U	< 44.6 U
PCB-206	1,000	< 7.83 U*	25.2	6.14	< 1.71 U	< 11.9 U*	3.25 J	29.5	28.5	115	18.8	< 2.60 U	< 44.6 U*
PCB-207	105	1.20 J	3.11 J	< 0.944 U	< 0.902 U	2.05 J	< 0.727 U	4.07 J	4.24 J	< 19.4 U*	2.87 J	< 1.40 U	< 4.51 U
PCB-208	245	2.11 J	5.98	< 1.99 U*	< 0.915 U	< 3.94 U*	1.10 J	7.64	6.49	33.5 J	6.21	< 1.42 U	< 4.29 U
Deca-CB (pg/L)	204	1.47 J	6.24	2.41 J	< 1.35 U	< 2.52 U	< 1.49 U	< 7.34 U	< 15.1 U	60.1	< 6.18 U	< 2.39 U	< 27.2 U
PCB-209	204	1.47 J	6.24	2.41 J	< 1.35 U	< 2.52 U	< 1.49 U*	< 7.34 U	< 15.1 U	60.1	< 6.18 U*	< 2.39 U	< 27.2 U
PCB TEQ, nd SDL*0	6.60 J	0.100 J	0.600 J	0.00380 J	0 U	1.10 J	0.00005 J	1.79 J	1.90 J	1.89 J	0.00769 J	0.000430 J	3.80
PCB TEQ, nd SDL*0.5	6.66 J	0.120 J	0.640 J	0.140 J	0.0860 U	1.10 J	0.0920 J	1.86 J	1.99 J	1.90 J	0.218 J	0.167 J	3.84
PCB TEQ, nd SDL*1	6.72 J	0.130 J	0.670 J	0.290 J	0.170 U	1.20 J	0.180 J	1.93 J	2.08 J	1.92 J	0.429 J	0.334 J	3.87

Total PCB congeners and total PCB homologs include only congeners that met identification criteria as required by EPA Method 1668C.

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	IA-CV-01	IA-MHS-05	PS-OS-01	PS-TS-01	SP-OWS-01	SC-MH-20	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-FT-1B	WM-CB-11
Collection Date	10/20/2014	10/20/1024	9/9/2014	9/9/2014	10/8/2014	12/11/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	1/22/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total PCB Congeners (µg/L)	0.00628 J	0.000759 J	0.0123 J	0.000859 J	0.0140 J	0.0516 J	0.0812 J	0.140 J	0.121 J	0.00154 J	0.0121 J	0.0344 J
Total PCB Congeners (pg/L)	6,280 J	759 J	12,300 J	859 J	14,000 J	51,600 J	81,200 J	140,000 J	121,000 J	1,540 J	12,100 J	34,400 J
Total Mono-CB (pg/L)	28.9 J	< 7.03 U	3.56 J	< 1.75 U	22.7 J	8.08 J	77.2 J	213 J	169 J	2.70 J	31.3 J	82.9
PCB-1	15.5	< 6.59 U	3.56 J	< 1.21 U	11.0	3.44 J	35.2 J	96.6	72.5	2.70 J	15.4	< 27.6 U
PCB-2	4.70 J	< 7.03 U	< 1.97 U*	< 1.75 U	2.00 J	1.67 J	< 21.3 U	25.2 J	23.3 J	< 1.25 U*	4.09 J	82.9
PCB-3	8.67 J	< 6.81 U	< 2.99 U*	< 1.49 U	9.67	2.97 J	42.0 J	91.6	73.2	< 1.49 U	11.8	< 23.9 U
Total Di-CB (pg/L)	50.6 J	< 28.0 U	312 J	58.6	82.3 J	408 J	584 J	1,300	1,030 J	80.0 J	383	1,330 J
PCB-4/10	< 22.3 U	< 24.1 U	< 5.64 U	< 5.64 U	23.8	32.4	< 134 U	128	99.6 J	< 5.64 U	26.0	< 92.4 U
PCB-5/8	28.8 J	< 20.2 U	19.5 J	< 3.59 U	31.0	88.3	187 J	408	316	13.3 J	71.7	90.5 J
PCB-6	< 17.7 U	< 19.7 U	< 3.10 U	< 3.10 U	6.83 J	19.4	< 108 U	105	83.4	< 3.10 U	16.3	< 75.4 U
PCB-7/9	< 17.6 U	< 19.6 U	< 6.22 U	< 6.22 U	< 5.22 U	7.24 J	< 106 U	< 54.3 U	< 56.0 U	< 6.22 U	< 2.46 U	< 74.5 U
PCB-11	< 31.2 U*	< 28.0 U*	267	58.6	< 84.5 U	96.6	140	115	90.7	58.4	239	1,110
PCB-12/13	< 18.2 U	< 19.7 U	< 5.01 U	< 5.01 U	< 6.29 U	13.8 J	< 113 U	< 54.8 U	< 56.1 U	< 5.01 U	< 2.61 U	< 72.6 U
PCB-14	< 16.3 U	< 17.6 U	< 3.98 U	< 3.98 U	< 5.61 U	< 7.32 U	< 97.0 U	< 47.2 U	< 48.3 U	< 3.98 U	< 2.24 U	< 62.5 U
PCB-15	21.8	< 17.9 U	25.9	< 2.53 U	20.7	150	257	548	442	8.31 J	30.1	130
Total Tri-CB (pg/L)	111 J	48.5	226 J	43.9 J	431 J	3,010 J	2,340 J	4,460 J	4,100 J	136 J	623 J	3,270 J
PCB-16/32	< 13.5 U	< 8.92 U	30.7	8.18 J	56.0	253	240	400	363	16.0	80.2	329
PCB-17	7.37 J	4.02 J	13.5	< 3.59 U*	27.8	102	< 86.4 U*	178	154	8.91	42.9	194
PCB-18	16.2	12.1	37.7	9.86	92.3	242	< 268 U*	483	430	22.1	121	499
PCB-19	3.66 J	< 5.54 U	5.66	< 1.14 U	11.4	37.6	< 29.6 U	77.3	69.8	2.49 J	14.1	47.9 J
PCB-20/21/33	17.1 J	9.07 J	19.3	4.34 J	36.1	331	315	462	442	15.3	74.8	277
PCB-22	10.7	4.76 J	15.2	3.00 J	22.1	298	232	284	284	9.05	41.5	220
PCB-23	< 2.73 U	< 2.15 U	< 1.35 U	< 1.00 U	< 0.659 U	< 0.852 U	< 33.4 U	< 14.9 U	< 13.7 U	< 0.659 U	< 3.45 U	< 17.9 U
PCB-24/27	< 2.47 U	< 3.78 U	< 5.05 U*	< 0.789 U	6.73 J	32.8	40.0 J	63.8 J	57.8 J	2.13 J	9.54 J	48.5 J
PCB-25	< 2.67 U	< 2.10 U	2.73 J	< 0.979 U	4.45 J	41.8	45.6 J	82.0	80.2	1.57 J	10.5	73.2
PCB-26	< 2.77 U	< 2.18 U	5.97	1.61 J	12.4	88.3	89.3 J	144	137	3.71 J	21.8	122
PCB-28	20.5	9.06 J	36.6	7.53	62.9	579	625	1,020	990	22.2	90.5	610
PCB-29	< 2.70 U	< 2.12 U	< 1.58 U	< 0.989 U	< 0.650 U	3.33 J	< 33.4 U	< 14.9 U	< 13.7 U	< 0.650 U	< 3.45 U	< 17.9 U
PCB-30	< 2.51 U	< 3.93 U	< 0.721 U	< 0.805 U	< 0.673 U	< 0.915 U	< 18.7 U	< 10.2 U	< 12.4 U	< 0.617 U	< 0.909 U	< 13.3 U
PCB-31	22.5	9.46 J	26.2	5.63	65.7	454	490	738	653	19.8	84.7	514
PCB-34	< 2.84 U	< 2.24 U	< 1.66 U	< 1.04 U	< 0.685 U	1.44 J	< 31.1 U	< 13.9 U	< 12.8 U	< 0.685 U	< 3.21 U	< 16.6 U
PCB-35	< 2.94 U	< 2.39 U	7.16	< 1.01 U	6.27	23.7	< 33.2 U	29.0 J	< 25.8 U*	2.18 J	< 3.27 U	60.9
PCB-36	< 2.94 U	< 2.39 U	< 2.04 U	< 1.01 U	< 0.733 U	< 1.48 U	< 32.1 U	< 14.6 U	< 14.0 U	< 0.681 U	< 3.17 U	33.9 J
PCB-37	13.0	< 2.37 U	25.4	3.77 J	26.9	514	258	499	445	10.7	31.4	245
PCB-38	< 2.99 U	< 2.43 U	< 1.56 U	< 1.02 U	< 0.745 U	5.95	< 33.6 U	< 15.3 U	< 14.6 U	< 0.693 U	< 3.31 U	< 20.3 U
PCB-39	< 2.85 U	< 2.32 U	< 1.97 U	< 0.976 U	< 0.711 U	< 1.44 U	< 33.1 U	< 15.1 U	< 14.4 U	< 0.661 U	< 3.26 U	< 20.0 U
Total Tetra-CB (pg/L)	595 J	140 J	488 J	89.8 J	1,960 J	8,890 J	7,650 J	14,300 J	12,600 J	222 J	1,540 J	5,640 J
PCB-40	< 8.02 U*	< 4.50 U	6.91	2.38 J	31.1	200	< 135 U*	238	206	4.39 J	22.4	< 104 U*
PCB-41/64/71/72	45.9	12.6 J	< 1.43 U	9.61 J	152	856	676	1,170	971	21.4	117	541
PCB-42/59	13.1 J	< 3.03 U	23.2	2.99 J	42.7	280	223	387	352	8.02 J	33.0	201
PCB-43/49	33.7	10.2 J	40.9	7.21 J	144	525	578	1,010	826	18.5	113	500
PCB-44	70.9	12.3	66.4	10.2	245	876	904	1,700	1,540	24.4	204	747
PCB-45	4.80 J	< 4.00 U	13.6	1.93 J	22.6	96.4	104	214	177	4.63 J	16.6	75.1
PCB-46	3.94 J	< 4.06 U	6.21	< 1.20 U	10.3	44.4	60.3 J	131	101	2.48 J	8.28	41.7 J
PCB-47	23.4	59.7	15.0	4.48 J	37.8	199	188	288	278	9.61	30.9	150
PCB-48/75	4.20 J	< 2.82 U	9.41 J	2.12 J	24.1	133	< 80.9 U*	163	128	5.49 J	18.8	115
PCB-50	< 3.73 U	< 3.74 U	< 1.40 U	< 1.02 U	< 1.26 U	< 1.50 U	< 47.8 U	< 22.3 U	< 24.3 U	< 1.36 U	< 4.05 U	< 22.8 U
PCB-51	< 2.28 U*	< 6.06 U*	4.42 J	< 0.740 U*	6.95	34.2	37.0 J	82.5	65.8	2.23 J	6.28	21.5 J
PCB-52/69	102	< 16.2 U*	83.8	13.9	396	869	1,490	2,740	2,440	30.1	305	820
PCB-53	< 5.40 U*	< 3.25 U	12.7	1.60 J	25.0	69.9	< 135 U*	307	279	3.69 J	18.5	94.5
PCB-54	< 3.01 U	< 3.02 U	< 1.14 U	< 0.827 U	< 1.02 U	1.21 J	< 36.3 U	< 16.9 U	< 18.4 U	< 1.10 U	< 3.08 U	< 17.4 U
PCB-55	< 2.83 U	< 2.68 U	2.96 J	< 0.773 U	< 4.93 U*	41.4	30.2 J	61.1	50.7	< 1.05 U	4.84 J	17.5 J

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	IA-CV-01	IA-MHS-05	PS-OS-01	PS-TS-01	SP-OWS-01	SC-MH-20	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-FT-1B	WM-CB-11
Collection Date	10/20/2014	10/20/1024	9/9/2014	9/9/2014	10/8/2014	12/11/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	1/22/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-56/60	38.9	< 6.91 U*	41.2	6.11 J	117	1,060	485	897	719	16.0	88.2	410
PCB-57	< 2.77 U	< 2.63 U	< 0.857 U	< 0.820 U	< 1.06 U	5.84	< 33.5 U	< 16.4 U	< 20.8 U	< 0.857 U	< 3.03 U	< 16.4 U
PCB-58	< 2.80 U	< 2.66 U	< 1.07 U	< 0.829 U	< 0.694 U*	2.43 J	< 33.0 U	< 16.2 U	< 20.4 U	< 1.09 U	< 2.98 U	< 16.1 U
PCB-61/70	139	20.9	82.7	14.0	377	1,550	1,460	2,420	2,180	33.4	322	909
PCB-62	< 2.89 U	< 2.85 U	< 1.45 U	< 0.844 U	< 1.19 U	< 1.35 U	< 39.8 U	< 19.0 U	< 19.8 U	< 1.19 U	< 3.45 U	< 16.5 U
PCB-63	< 2.76 U	< 2.62 U	< 1.64 U*	< 0.696 U	7.30	39.4	< 32.2 U	46.0 J	43.8 J	< 0.696 U	< 3.97 U*	< 32.8 U*
PCB-65	< 2.80 U	< 2.76 U	< 0.953 U	< 0.817 U	< 1.15 U	< 1.31 U	< 41.0 U	< 19.6 U	< 20.4 U	< 0.953 U	< 3.56 U	< 17.0 U
PCB-67	< 2.88 U	< 2.73 U	54.1	6.72 J	4.05 J	36.5	< 34.3 U	40.1 J	31.8 J	20.7	< 4.90 U*	36.3 J
PCB-68	4.57 J	8.96 J	2.50 J	< 0.851 U	2.21 J	10.7	< 33.5 U	< 16.0 U	< 11.2 U*	< 1.12 U	< 2.91 U	< 13.9 U
PCB-73	< 2.93 U	< 2.82 U	< 1.24 U	0.949 J	< 1.19 U	< 3.23 U	< 35.3 U	< 17.0 U	< 19.9 U	1.09 J	< 3.29 U	< 16.8 U
PCB-74	30.5	4.96 J	< 1.40 U	< 0.833 U	93.9	511	439	660	592	< 1.20 U	78.5	323
PCB-76/66	54.5	10.3 J	22.2	3.16 J	185	1,090	829	1,450	1,310	11.2	123	552
PCB-77	23.4	< 2.84 U	< 21.4 U*	2.42 J	25.3	315	105	231	205	4.74 J	14.9	83.5
PCB-78	< 2.99 U	< 2.92 U	< 0.990 U	< 0.766 U	2.48 J	< 1.21 U	< 29.6 U	< 15.7 U	< 19.9 U	< 0.990 U	< 3.84 U	< 16.1 U
PCB-79	< 2.79 U	< 2.65 U	< 3.20 U*	< 0.764 U	8.81	28.2	39.9 J	86.6	65.8	< 1.03 U	6.53	< 19.4 U*
PCB-80	< 2.46 U	< 2.33 U	< 0.926 U	< 0.672 U	< 0.943 U	< 1.05 U	< 23.9 U	< 14.0 U	< 16.1 U	< 0.909 U	< 2.80 U	< 13.9 U
PCB-81	1.77 J	< 2.61 U	< 1.49 U*	< 0.686 U	< 1.82 U*	20.1	< 7.80 U*	16.8 J	< 16.8 U*	< 0.982 U	4.10 J	< 14.7 U
Total Penta-CB (pg/L)	2,620 J	241 J	2,350 J	217 J	5,340 J	16,800 J	26,100 J	46,100 J	39,100 J	409 J	4,530 J	10,900 J
PCB-82	64.2	< 6.91 U*	48.3	5.76	107	426	494	989	846	8.80	123	243
PCB-83	< 4.73 U	< 4.11 U	< 1.32 U	< 1.30 U	< 2.28 U	< 3.72 U	< 40.9 U	< 25.0 U	< 21.5 U	< 1.32 U	< 5.48 U	< 29.9 U
PCB-84/92	161	14.3 J	161	16.0	357	892	1,850	3,390	3,040	27.8	295	764
PCB-85/116	70.5	< 6.28 U*	50.2	< 5.07 U*	135	496	579	999	899	10.5	97.0	273
PCB-86	< 7.03 U	< 6.11 U	< 2.34 U	< 1.94 U	< 3.01 U*	8.58	< 65.8 U	< 40.2 U	< 34.5 U	< 2.06 U	< 8.82 U	< 48.0 U
PCB-87/117/125	169	18.3 J	120	14.3 J	321	1,030	1,450	2,350	2,040	23.4	306	705
PCB-88/91	< 6.72 U	< 6.13 U	55.5	5.40	115	310	559	1,240	950	8.48	79.5	259
PCB-89	< 2.07 U*	< 5.50 U	3.69 J	< 1.78 U	5.79	23.2	< 55.5 U	< 70.3 U*	< 53.9 U*	< 1.84 U	5.95	23.8 J
PCB-90/101	364	45.0	352	42.0	854	2,220	3,950	6,330	5,680	67.8	714	1,710
PCB-93	< 6.06 U	< 5.53 U	< 1.47 U	< 1.47 U	< 3.13 U	< 3.86 U	< 63.8 U	< 41.8 U	< 29.9 U	< 1.47 U	< 6.95 U	< 45.5 U
PCB-94	< 6.18 U	< 5.64 U	< 2.05 U*	< 1.85 U	3.39 J	9.14	< 59.9 U	41.4 J	< 28.1 U	< 1.90 U	< 6.53 U	< 42.8 U
PCB-95/98/102	270	32.2	334	28.5	637	1,450	3,430	6,670	5,510	51.2	499	1,210
PCB-96	< 4.99 U	< 4.29 U	1.86 J	< 1.43 U	< 3.66 U*	12.7	< 34.2 U*	43.6 J	37.7 J	< 1.39 U	< 4.83 U	< 30.5 U
PCB-97	125	13.7	94.4	10.8	253	772	1,190	2,020	1,780	17.6	216	521
PCB-99	126	15.2	99.2	14.5	315	886	1,470	2,370	2,100	23.0	283	685
PCB-100	< 5.44 U	< 4.68 U	< 2.03 U	< 1.56 U	< 1.69 U*	4.27 J	< 63.0 U	23.4 J	< 24.5 U	< 1.51 U	< 5.47 U	< 34.6 U
PCB-103	< 5.84 U	< 5.03 U	< 1.82 U*	< 1.67 U	4.91 J	7.68	< 62.7 U	42.8 J	42.9 J	< 1.62 U	< 5.45 U	< 34.4 U
PCB-104	< 4.33 U	< 3.73 U	< 0.931 U	< 0.931 U	< 2.01 U	< 2.73 U	< 48.1 U	< 25.6 U	< 18.7 U	< 0.931 U	< 4.16 U	< 26.4 U
PCB-105	200	< 17.3 U*	134	< 12.3 U*	294	1,440	1,250	1,910	1,600	26.1	257	590
PCB-106/118	431	44.7	301	34.8	766	2,980	3,380	5,780	4,690	61.6	744	1,620
PCB-107/109	< 26.0 U*	< 4.09 U	23.4	< 2.58 U*	53.2	207	187 J	383	< 295 U*	4.76 J	47.3	128
PCB-108/112	23.0	< 4.85 U	17.2	< 1.67 U*	40.8	111	206	364	313	3.59 J	26.1	88.4 J
PCB-110	528	53.6	500	42.9	966	3,120	5,750	10,200	8,860	69.4	762	2,100
PCB-111/115	6.09 J	< 3.56 U	4.47 J	< 0.768 U	11.6	38.6	58.4 J	86.6 J	93.2 J	1.22 J	14.5	< 26.1 U*
PCB-113	< 2.01 U*	< 4.14 U	< 1.31 U	1.19 J	< 2.40 U	< 3.90 U	< 41.3 U	< 12.3 U*	13.2 J	< 2.59 U*	< 5.81 U	< 31.4 U
PCB-114	7.90 J	< 4.18 U	7.16	< 1.81 U	17.6	71.6	< 47.0 U*	85.3	80.6	< 1.56 U*	< 13.0 U*	< 27.1 U*
PCB-119	4.89 J	< 3.63 U	5.31	0.829 J	13.5	33.0	65.0 J	115	101	< 1.02 U*	7.80	< 37.5 U*
PCB-120	< 4.03 U	< 3.51 U	< 1.87 U*	< 1.01 U	2.28 J	5.74	< 11.0 U*	31.5 J	< 17.9 U	< 1.01 U	< 4.59 U	< 25.0 U
PCB-121	28.6	3.51 J	< 1.21 U	< 1.07 U	< 1.86 U	< 2.29 U	< 38.5 U	< 25.2 U	< 18.0 U	< 1.11 U	< 4.19 U	< 27.4 U
PCB-122	6.55 J	< 4.58 U	4.04 J	< 1.84 U	7.17	38.3	< 38.0 U*	75.9	< 59.6 U*	0.747 J	< 22.5 U	< 15.1 U*
PCB-123	6.24 J	< 4.10 U	5.25	< 1.28 U	11.6	51.2	47.7 J	130	98.1	< 1.08 U*	13.8	29.2 J
PCB-124	18.9	< 3.77 U	20.5	< 1.81 U*	37.8	127	181	361	267	3.34 J	38.3	< 66.3 U*
PCB-126	8.94 J	< 4.91 U	8.10	< 2.05 U	6.18	48.3	< 30.7 U	49.5 J	43.3 J	< 2.42 U*	< 21.3 U	< 47.8 U
PCB-127	< 6.76 U	< 4.55 U	< 0.808 U	< 0.808 U	< 3.73 U	< 4.40 U	< 55.0 U	< 29.7 U	< 32.0 U	< 0.808 U	< 20.1 U	< 44.4 U

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	IA-CV-01	IA-MHS-05	PS-OS-01	PS-TS-01	SP-OWS-01	SC-MH-20	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-FT-1B	WM-CB-11
Collection Date	10/20/2014	10/20/1024	9/9/2014	9/9/2014	10/8/2014	12/11/2014	2/10/2015	2/10/2015	2/10/2015	9/11/2014	1/22/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Hexa-CB (pg/L)	2,260 J	248 J	4,110 J	256 J	4,060 J	13,300 J	26,300 J	45,600 J	40,500 J	377 J	3,320 J	7,560 J
PCB-128/162	128	14.1 J	124	9.43 J	158	623	1,050	1,910	1,730	15.9	171	340
PCB-129	38.1	< 6.37 U	35.1	2.53 J	54.3	175	324	600	533	< 4.77 U*	55.5	< 98.2 U*
PCB-130	48.6	5.19 J	57.5	< 3.65 U*	65.5	220	423	877	675	< 5.42 U*	52.8	167
PCB-131	< 8.40 U	< 6.07 U	< 1.46 U	< 1.46 U	< 3.18 U	< 3.77 U	3.60 J	< 39.9 U	< 25.5 U	< 1.46 U	< 26.1 U	< 42.4 U
PCB-132/161	162	19.2 J	239	15.5	259	863	1,960	3,540	3,220	21.8	209	518
PCB-133/142	15.1 J	< 5.87 U	20.4	1.63 J	27.4	71.1	151 J	336	304	2.66 J	28.5 J	< 61.9 U*
PCB-134/143	30.5	5.08 J	43.4	2.94 J	50.7	136	318	644	556	4.48 J	< 44.0 U*	< 95.6 U*
PCB-135	49.3	< 4.84 U	125	7.29	104	331	831	1,350	1,170	10.5	83.3	< 213 U*
PCB-136	43.3	< 8.25 U*	129	7.19	101	267	771	1,290	1,040	9.75	90.7	220
PCB-137	35.5	4.04 J	28.0	2.67 J	43.7	171	220	553	480	4.61 J	52.5	92.2
PCB-138/163/164	577	68.8	905	57.9	981	3,360	5,960	10,500	9,350	90.0	758	1,820
PCB-139/149	307	41.4	827	48.4	649	2,120	4,990	7,780	6,910	67.8	540	1,330
PCB-140	3.72 J	< 4.81 U	< 3.40 U*	< 1.31 U	3.73 J	18.8	< 55.1 U	< 38.6 U*	62.8	< 1.95 U	< 35.2 U	28.7 J
PCB-141	104	11.8	201	13.8	195	619	1,090	1,940	1,650	19.2	138	351
PCB-144	20.5	< 4.61 U	44.0	2.97 J	34.4	101	349	473	404	< 3.07 U*	41.5 J	102
PCB-145	< 4.18 U	< 3.45 U	< 1.18 U	< 0.938 U	< 2.56 U	< 1.91 U	< 39.2 U	< 23.3 U	< 20.9 U	< 1.40 U	< 25.0 U	< 30.9 U
PCB-146/165	54.2	8.00 J	118	7.86 J	107	323	805	1,410	1,280	12.0	88.7 J	275
PCB-147	< 8.72 U*	< 4.56 U	11.2	0.771 J	16.6	50.3	111	< 187 U*	193	1.99 J	20.2 J	58.0
PCB-148	< 6.17 U	< 5.09 U	< 1.68 U	< 1.38 U	< 3.78 U	< 2.82 U	< 52.4 U	< 31.1 U	< 28.0 U	< 1.68 U	< 33.5 U	< 41.3 U
PCB-150	< 4.30 U	< 3.55 U	1.66 J	< 0.963 U	< 2.63 U	3.38 J	< 38.0 U	< 22.5 U	< 20.3 U	< 1.14 U	< 24.2 U	< 30.0 U
PCB-151	66.1	< 7.95 U*	252	13.2	167	456	1,370	2,010	1,740	18.6	132	345
PCB-152	< 4.16 U	< 3.44 U	< 1.17 U	< 0.933 U	< 2.55 U	2.56 J	< 36.7 U	< 21.8 U	< 19.6 U	< 1.39 U	< 23.4 U	< 28.9 U
PCB-153	366	51.3	720	49.8	763	2,350	3,980	7,440	6,620	74.3	586	1,530
PCB-154	5.66 J	< 4.27 U	7.61	< 1.16 U	6.74	21.4	< 41.8 U*	101	82.0	< 1.73 U	< 30.7 U	38.9 J
PCB-155	< 4.03 U	< 3.33 U	< 1.13 U	< 0.903 U	< 2.47 U	< 1.84 U	< 35.7 U	< 21.2 U	< 19.1 U	< 1.35 U	< 22.8 U	< 28.2 U
PCB-156	75.9	9.22 J	66.0	4.98	94.0	391	484	929	789	8.66	107	220
PCB-157	20.2	< 4.63 U	19.7	< 1.17 U	20.3	93.6	133	256	232	3.04 J	26.2 J	< 46.5 U*
PCB-158/160	76.9	10.3 J	96.5	6.73 J	117	399	717	1,220	1,070	10.9	99.6 J	< 208 U*
PCB-159	< 6.36 U	< 4.29 U	< 1.20 U	< 1.20 U	< 2.43 U	< 2.70 U	< 37.4 U	< 25.7 U	< 17.4 U	< 1.11 U	< 18.0 U	36.1 J
PCB-166	< 6.64 U	< 4.48 U	2.97 J	< 0.920 U	< 2.89 U*	< 12.1 U*	< 40.0 U	< 40.1 U*	< 26.2 U*	< 0.920 U	< 19.2 U	< 31.2 U
PCB-167	32.6	< 4.50 U	33.4	< 2.53 U*	40.9	155	229	451	411	< 4.44 U*	42.6 J	89.4
PCB-168	< 5.60 U	< 4.05 U	< 0.933 U	< 0.933 U	< 2.12 U	< 2.52 U	< 34.5 U	< 24.8 U	< 15.9 U	< 0.933 U	< 16.2 U	< 26.4 U
PCB-169	< 7.52 U	< 4.84 U	< 1.12 U	< 1.12 U	< 3.08 U	< 2.92 U	< 38.0 U	< 34.5 U	< 21.8 U	1.11 J	< 24.9 U	< 34.3 U
Total Hepta-CB (pg/L)	532 J	76.7 J	3,710 J	159 J	1,720	6,440 J	14,700 J	21,400	17,600 J	229 J	1,120 J	4,020 J
PCB-170	96.3	12.7	385	18.7	199	875	1,600	2,370	2,100	23.9	176	464
PCB-171	24.0	< 3.10 U	113	4.78 J	57.5	202	455	780	644	7.58	< 45.4 U*	146
PCB-172	13.7	< 3.33 U	81.7	3.87 J	39.4	144	311	466	< 367 U*	4.46 J	38.4 J	105
PCB-173	< 3.91 U	< 3.51 U	11.0	< 1.18 U	5.58	16.9	< 48.8 U*	98.7	< 61.3 U*	< 1.44 U	< 31.5 U	< 31.2 U
PCB-174	61.8	12.3	488	20.9	212	712	1,810	3,130	2,560	28.6	< 208 U*	558
PCB-175	< 3.15 U	< 3.24 U	17.8	< 1.01 U	7.85	35.2	83.9 J	109	98.2	< 1.65 U*	< 20.3 U	24.3 J
PCB-176	7.98 J	< 2.30 U	55.5	2.87 J	25.9	77.2	263	285	270	3.03 J	< 23.5 U*	55.4
PCB-177	38.0	< 3.29 U	272	10.8	123	414	1,010	1,700	1,390	14.5	< 114 U*	304
PCB-178	10.8	< 3.35 U	93.0	4.89	41.2	143	396	426	392	6.37	41.2 J	< 89.9 U*
PCB-179	21.1	5.63 J	208	8.96	81.0	250	814	1,010	865	11.7	81.4	207
PCB-180	139	23.8	962	42.0	450	1,800	3,680	5,830	4,830	62.5	424	1,150
PCB-181	< 3.33 U	< 2.99 U	< 1.01 U	< 1.00 U	< 2.76 U	< 1.29 U	< 27.4 U	< 29.8 U	< 19.0 U	< 1.01 U	< 25.8 U	< 25.5 U
PCB-182/187	62.6	14.6 J	571	27.9	263	934	2,380	2,710	2,300	35.7	244	600
PCB-183	32.2	7.70 J	239	10.9	109	431	1,040	1,230	1,100	15.5	93.9	260
PCB-184	< 2.47 U	< 2.53 U	< 1.12 U	< 0.793 U	< 2.00 U	1.84 J	< 29.6 U	< 18.2 U	< 11.1 U	< 1.04 U	< 15.9 U	< 17.3 U
PCB-185	< 5.91 U*	< 3.04 U	62.2	< 1.97 U*	23.0	81.0	194	326	279	4.17 J	< 24.8 U	< 54.2 U*
PCB-186	< 2.39 U	< 2.46 U	< 1.09 U	< 0.769 U	< 1.94 U	< 1.11 U	< 27.2 U	< 16.7 U	< 10.2 U	< 1.01 U	< 14.6 U	< 15.9 U

Table 7. Water Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	IA-CV-01	IA-MHS-05	PS-OS-01	PS-TS-01	SP-OWS-01	SC-MH-20	ST-OF-01	ST-TS-01	ST-FD-02	UG-MH-60	WM-FT-1B	WM-CB-11
Collection Date	**10/20/2014**	**10/20/1024**	**9/9/2014**	**9/9/2014**	**10/8/2014**	**12/11/2014**	**2/10/2015**	**2/10/2015**	**2/10/2015**	**9/11/2014**	**1/22/2015**	**2/3/2015**
Analyte	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCB-188	< 2.17 U	< 2.23 U	< 1.52 U*	< 0.699 U	< 1.76 U	3.08 J	< 26.0 U	< 16.0 U	< 9.82 U	< 0.918 U	< 13.9 U	< 15.2 U
PCB-189	< 2.96 U	< 2.38 U	16.2	< 0.885 U	7.26	33.6	75.6 J	100	< 95.1 U*	1.76 J	< 20.8 U	< 17.5 U
PCB-190	17.2	< 2.32 U	73.5	2.82 J	39.4	165	313	439	428	6.72	< 24.5 U*	101
PCB-191	< 2.71 U	< 2.44 U	16.2	< 0.816 U	8.44	33.6	82.3 J	135	107	< 0.998 U	< 18.7 U	< 18.5 U
PCB-192	< 2.97 U	< 2.67 U	< 1.51 U	< 0.894 U	< 2.46 U	< 1.15 U	< 21.3 U	< 23.1 U	< 14.7 U	< 1.09 U	< 20.0 U	< 19.8 U
PCB-193	7.64 J	< 2.46 U	46.2	< 2.02 U*	23.5	83.7	186	279	236	2.95 J	20.4 J	48.9 J
Total Octa-CB (pg/L)	69.5 J	5.27 J	986 J	27.0 J	359 J	2,150	2,510 J	4,800 J	4,730 J	63.7 J	360 J	1,300 J
PCB-194	19.2	5.27 J	246	9.79	85.4	475	613	1,010	947	15.6	< 55.1 U*	276
PCB-195	9.00 J	< 4.29 U	98.1	4.11 J	33.3	163	311	485	439	6.67	55.4	105
PCB-196/203	22.5	< 5.65 U*	263	< 10.5 U*	92.6	637	1,140	1,430	1,310	18.6	134	399
PCB-197	< 4.35 U	< 3.10 U	10.7	< 0.886 U	4.06 J	16.6	< 24.9 U*	55.0	44.4 J	< 1.31 U	< 24.1 U	< 30.4 U
PCB-198	< 6.28 U	< 4.48 U	10.3	< 1.28 U	3.75 J	21.3	58.0 J	< 60.6 U*	< 33.2 U*	< 1.88 U	< 37.3 U	< 47.0 U
PCB-199	18.8	< 5.47 U*	257	11.2	94.0	591	< 971 U*	1,390	1,320	16.1	127	378
PCB-200	< 4.59 U	< 3.27 U	34.3	< 1.63 U*	12.5	59.6	140	190	177	< 2.24 U*	< 27.2 U	57.2
PCB-201	< 4.24 U	< 3.02 U	< 31.5 U*	1.93 J	10.2	63.3	< 132 U*	180	168	1.84 J	< 25.6 U	< 52.7 U*
PCB-202	< 4.49 U	< 3.20 U	55.3	< 3.21 U*	18.4	94.1	211	< 285 U*	275	4.03 J	43.9 J	84.1
PCB-204	< 4.70 U	< 3.35 U	< 1.48 U	< 0.957 U	< 2.58 U	< 2.09 U	< 37.0 U	< 15.5 U	< 20.5 U	< 1.41 U	< 26.2 U	< 33.0 U
PCB-205	< 6.81 U	< 3.64 U	11.0	< 1.53 U	4.80 J	24.4	39.9 J	58.6	47.2 J	0.903 J	< 26.9 U	< 21.6 U
Total Nona-CB (pg/L)	12.8 J	< 4.54 U	111 J	7.46 J	26.4 J	496	754 J	1,060 J	1,050	10.9 J	124 J	193
PCB-206	12.8	< 4.54 U	97.6	5.70	19.6	360	546	831	763	7.26	96.2	139
PCB-207	< 3.52 U	< 2.62 U	13.6	< 0.961 U	2.32 J	41.9	56.7 J	< 86.1 U*	74.8	1.28 J	< 17.7 U	< 15.6 U
PCB-208	< 6.05 U*	< 2.50 U	< 22.4 U*	1.76 J	4.44 J	94.3	151	232	209	2.34 J	27.4 J	53.7
Deca-CB (pg/L)	< 7.05 U	< 4.31 U	< 26.2 U	< 1.86 U	6.56	53.5	228	337	292	3.29 J	41.0 J	< 37.3 U
PCB-209	< 7.05 U	< 4.31 U	< 26.2 U*	< 1.86 U	6.56	53.5	228	337	292	3.29 J	41.0 J	< 37.3 U*
PCB TEQ, nd SDL*0	0.920 J	0.00162 J	0.827 J	0.00144 J	0.660 J	5.02	0.178 J	5.27 J	4.59 J	0.0368 J	0.0384 J	0.0848 J
PCB TEQ, nd SDL*0.5	1.03 J	0.321 J	0.846 J	0.121 J	0.710 J	5.07	2.29 J	5.79 J	4.92 J	0.158 J	1.48 J	2.99 J
PCB TEQ, nd SDL*1	1.15 J	0.640 J	0.864 J	0.241 J	0.750 J	5.11	4.39 J	6.30 J	5.25 J	0.279 J	2.92 J	5.90 J

Total PCB congeners and total PCB homologs include only congeners that met identification criteria as required by EPA Method 1668C.

Table 8. Water Sample Results - Conventionals
NPDES Inspection Sampling Support

		Location ID	AS-CB-UNK	BD-MH-1.32	BD-MH-5.16	BD-MH-11.31	BD-MH-12.56	BD-OWS-02	BD-OWS-14
		Collection Date	1/20/2015	12/22/2014	12/15/2014	12/15/2014	12/22/2014	12/3/2014	12/22/2014
Analyte	ISGP Benchmark	Units	Result	Result	Result	Result	Result	Result	Result
Conventionals									
Alkalinity	--	mg/L	67	19	28	40	27	< 5 U	29
Bicarbonate	--	mg/L $CaCO_3$	67	19	28	40	27	< 5 U	29
Carbonate	--	mg/L $CaCO_3$	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloride	--	mg/L	17 J	1.1 J	130	970	460 J	na	270 J
Specific Conductance	--	µmhos/cm	220	52	570	3800	1700	62	1000
Hydroxide	--	mg/L $CaCO_3$	na	na	na	na	na	na	na
Nitrate	--	mg/L	0.45 J	0.26 J	0.48 J	0.46 J	0.49 J	0.49 J	0.42 J
pH	5-9	std units	8.65 J	6.87	7.28 J	7.21 J	7.03	6.44 J	7.10
Salinity	--	mg/L	na	na	na	na	na	na	na
Sulfate	--	mg/L	19	0.65 J	19	110 J	64 J	na	38 J
Dissolved Organic Carbon	--	mg/L	7.9	4.7	2.5	2.5	3.4	1.9	2.6
Total Organic Carbon	--	mg/L	9.1	4.4	2.4	2.3	2.9	1.7	2.8
Total Suspended Solids[a]	30	mg/L	44	< 10 U	17	< 5 U	< 10 U	6.7	20
Turbidity	25	NTU	na	na	na	na	na	na	na
Oil & Grease	--	mg/L	na	na	na	na	na	na	na
Oil & Grease - Polar	--	mg/L	na	na	na	na	na	na	na
Oil & Grease - Silica Gel Treated	--	mg/L	na	na	na	na	na	na	na

a - The ISGP benchmark for Total Suspended Solids becomes effective on January 1, 2017.

Shaded results exceed the ISGP benchmark for that parameter.

Table 8. Water Sample Results - Conventionals
NPDES Inspection Sampling Support

		Location ID	CC-A-01	CC-FD-02	CS-SP-01	CS-TS-01	DS-CB-F3	IA-CBN-60	IA-CV-01
		Collection Date	10/13/2014	10/13/2014	9/3/2014	9/3/2014	12/16/2014	10/20/2014	10/20/2014
Analyte	**ISGP Benchmark**	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Conventionals									
Alkalinity	--	mg/L	41	40	29	25	11	16	13
Bicarbonate	--	mg/L $CaCO_3$	41	40	29	25	11	16	13
Carbonate	--	mg/L $CaCO_3$	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	5 U	5 U
Chloride	--	mg/L	11	11	6.2	7	0.34 J	0.67 J	2.1
Specific Conductance	--	µmhos/cm	170	170	120	130	27	39	35
Hydroxide	--	mg/L $CaCO_3$	na	na	na	na	na	na	na
Nitrate	--	mg/L	0.22 J	0.22 J	< 0.9 U	< 0.9 U	0.35 J	0.23 J	< 0.9 U
pH	5-9	std units	7.06 J	7.07 J	6.26	6.03	6.71 J	7.86	8.21
Salinity	--	mg/L	na	na	na	na	na	na	na
Sulfate	--	mg/L	12	12	12	15	1 J	1.3	1.3
Dissolved Organic Carbon	--	mg/L	13	13	na	na	0.83 J	4.1	4.2
Total Organic Carbon	--	mg/L	14	14	48	44	0.98 J	5 J	6.2
Total Suspended Solids[a]	30	mg/L	< 10 U	10	280	7	< 5 U	5 U	6.5
Turbidity	25	NTU	na	na	na	na	na	na	na
Oil & Grease	--	mg/L	na	na	na	na	na	na	na
Oil & Grease - Polar	--	mg/L	na	na	na	na	na	na	na
Oil & Grease - Silica Gel Treated	--	mg/L	na	na	na	na	na	na	na

a - The ISGP benchmark for Total Suspended Solids becomes effective on January 1, 2017.

Shaded results exceed the ISGP benchmark for that parameter.

Table 8. Water Sample Results - Conventionals
NPDES Inspection Sampling Support

		Location ID	IA-MHS-05	PS-OS-01	PS-TS-01	SC-MH-20	SP-OWS-01	ST-OF-01
		Collection Date	10/20/2014	9/9/2014	9/9/2014	12/11/2014	10/8/2014	2/10/2015
Analyte	**ISGP Benchmark**	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Conventionals								
Alkalinity	--	mg/L	5.6	87	97	5.3	25	83
Bicarbonate	--	mg/L $CaCO_3$	5.6	87	97	5.3	25	83
Carbonate	--	mg/L $CaCO_3$	< 5 U	< 5 U	< 5 U	< 5 U	5	< 5 U
Chloride	--	mg/L	0.34 J	3.1	3.4	0.66 J	5.1	9.1
Specific Conductance	--	µmhos/cm	11	210	230	14	81	180
Hydroxide	--	mg/L $CaCO_3$	na	< 5.0 U	< 5.0 U	na	na	na
Nitrate	--	mg/L	< 0.9 U	1.1	0.57	< 0.9 UJ	< 0.9 U	0.23 J
pH	5-9	std units	8.44	7.7 J	7.35 J	6.61 J	7.25	8.39 J
Salinity	--	mg/L	na	na	na	na	na	100
Sulfate	--	mg/L	0.69 J	8.4	7.8	0.87 J	2	7.5
Dissolved Organic Carbon	--	mg/L	4.2	na	13 J	2.9	2.1	2.5
Total Organic Carbon	--	mg/L	4.3	5.2	13	3.5	1.7	2.5
Total Suspended Solids[a]	30	mg/L	5	97	< 6.7 U	14	< 3.3 U	110
Turbidity	25	NTU	na	na	na	na	1.5	na
Oil & Grease	--	mg/L	na	na	na	na	< 4.7 U	na
Oil & Grease - Polar	--	mg/L	na	na	na	na	< 4.7 U	na
Oil & Grease - Silica Gel Treated	--	mg/L	na	na	na	na	< 4.7 U	na

a - The ISGP benchmark for Total Suspended Solids becomes effective on January 1, 2017.

Shaded results exceed the ISGP benchmark for that parameter.

Table 8. Water Sample Results - Conventionals
NPDES Inspection Sampling Support

		Location ID	ST-TS-01	ST-FD-02	UG-MH-60	WM-FT-1B	WM-CB-11
		Collection Date	2/10/2015	2/10/2015	9/14/2014	1/22/2015	2/3/2015
Analyte	ISGP Benchmark	Units	Result	Result	Result	Result	Result
Conventionals							
Alkalinity	--	mg/L	120	120	na	100	28
Bicarbonate	--	mg/L $CaCO_3$	120	120	na	15	28
Carbonate	--	mg/L $CaCO_3$	< 5 U	< 5 U	na	86	< 5 U
Chloride	--	mg/L	390	390	6.7	12	7.1 J
Specific Conductance	--	µmhos/cm	1600	1600	200	360	120,000
Hydroxide	--	mg/L $CaCO_3$	na	na	na	na	na
Nitrate	--	mg/L	< 0.9 U	< 0.9 U	< 0.9 U	< 0.9 J	< 0.9 U
pH	5-9	std units	8.35 J	8.44 J	6.80	7.05 J	6.83 J
Salinity	--	mg/L	na	na	na	na	na
Sulfate	--	mg/L	73	73	4.2	72	14 J
Dissolved Organic Carbon	--	mg/L	4.0	4.3	12 J	19 J	7.1 J
Total Organic Carbon	--	mg/L	4.0	4.3	6.2 J	19.0 J	9.4
Total Suspended Solids[a]	30	mg/L	580	600	17 J	21	330
Turbidity	25	NTU	na	na	na	na	na
Oil & Grease	--	mg/L	na	na	na	na	na
Oil & Grease - Polar	--	mg/L	na	na	na	na	na
Oil & Grease - Silica Gel Treated	--	mg/L	na	na	na	na	na

a - The ISGP benchmark for Total Suspended Solids becomes effective on January 1, 2017.

Shaded results exceed the ISGP benchmark for that parameter.

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01
				Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals (Total) (mg/kg)															
Antimony	--	--	mg/kg		7.0	7.8	9.3	3.4	14	6.7	19	110	7.3	8.3	4
Arsenic	57	93	mg/kg		14	16	19	22	17	13	8.6	170	17	16	8.6
Beryllium	--	--	mg/kg		0.5	0.55	0.35	0.27	0.28 J	0.25 J	0.17 J	0.4	0.37	0.89	0.24 J
Cadmium	5.1	6.7	mg/kg		1.2	1.2	1.1	2.8	7.3	2.6	7.1	4.3	4.7	2.0	2.3
Chromium	260	270	mg/kg		88	97	68	67 J	140	67 J	48 J	3,800	8,600	380	63
Copper	390	390	mg/kg		120	130	140	110	290	190	150	540	420	540	140
Lead	450	530	mg/kg		100	110	180	160	430	150	100	250 J	69 J	180 J	170
Mercury	0.41	0.59	mg/kg		0.49	0.43	0.23	0.25	0.60	0.18	0.16	0.16	0.28	0.35	0.18
Nickel	--	--	mg/kg		70	78	58	49	64	37	32	2,800	5,900	360	43
Selenium	--	--	mg/kg		2.1 J	2.3 J	1.2	0.4 J	1.6 J	0.9 J	1.2 J	2.1	3.0	2.4	0.81 J
Silver	6.1	6.1	mg/kg		0.39 J	0.43 J	0.37	1.1	97	1.9	0.72	2.4	0.98	1.0	0.38 J
Thallium	--	--	mg/kg		< 0.9 U	< 0.95 U	< 0.48 U	< 0.6 U	< 1.3 U	< 0.96 U	< 1.7 U	< 0.87 U	< 0.73 U	0.22 J	< 1.2 U
Zinc	410	960	mg/kg		490	540	420	870	1,600	850	850	1,300	960	1,100	1,100
PCB Aroclors (µg/kg)															
Aroclor 1016	--	--	µg/kg		< 21 U	< 27 U	< 16 U	< 13 U	< 290 U	< 22 U	< 37 U	< 17 U	< 16 U	< 17 U	< 22 U
Aroclor 1221	--	--	µg/kg		< 23 U	< 30 U	< 18 U	< 14 U	< 320 U	< 24 U	< 41 U	< 19 U	< 18 U	< 19 U	< 25 U
Aroclor 1232	--	--	µg/kg		< 23 U	< 30 U	< 18 U	< 14 U	< 320 U	< 24 U	< 41 U	< 19 U	< 18 U	< 19 U	< 25 U
Aroclor 1242	--	--	µg/kg		< 21 U	< 27 U	< 16 U	< 13 U	< 290 U	< 22 U	< 37 U	< 17 U	< 16 U	< 17 U	< 22 U
Aroclor 1248	--	--	µg/kg		< 21 U	< 27 U	< 16 U	< 13 U	< 290 U	< 22 U	< 37 U	< 17 U	< 16 U	< 17 U	< 22 U
Aroclor 1254	--	--	µg/kg		< 21 U	< 27 U	< 16 U	< 13 UJ	< 290 UJ	< 22 UJ	< 37 U	< 17 UJ	< 16 UJ	< 17 UJ	< 22 U
Aroclor 1260	--	--	µg/kg		140	100	130	1,100 J	650 J	2,000 J	< 37 U	1,600 J	430 J	1,000 J	51 J
Total PCB Aroclors	130	1,000	µg/kg		140	100	130	1,100 J	650 J	2,000 J	< 41 U	1,600 J	430 J	1,000 J	51 J
PCB Congeners (ug/kg) [b]															
Total PCB Congeners	130	1,000	µg/kg		701 J	471 J	426 J	1,660 J	11,500 J	902 J	412 J	1,150 J	1,370 J	2,690 J	491 J
PCB TEQ, nd SDL*0	--	--	µg/kg		0.0331	0.0263	0.0226 J	0.05 J	0.139 J	0.0541	0.04	0.0756	0.0939	0.234	0.0219
PCB TEQ, nd SDL*0.5	--	--	µg/kg		0.034	0.0282	0.0235 J	0.05 J	0.139 J	0.0541	0.04	0.0767	0.0971	0.234	0.0219
PCB TEQ, nd SDL*1	--	--	µg/kg		0.0358	0.0302	0.0245 J	0.05 J	0.139 J	0.0541	0.04	0.0779	0.1	0.234	0.0219
Dioxins and Furans (ng/kg)															
2,3,7,8-TCDD	--	--	ng/kg		0.664	< 1.17 U*	0.478 J	< 0.776 U*	3.94	< 5.39 U*	7.74	< 0.468 U*	< 0.542 U*	1.05	< 0.693 U*
1,2,3,7,8-PeCDD	--	--	ng/kg		3.57	7.3	2.59	2.44 J	15.7	40.4	48.5	< 2.22 U*	3.3	3.96	3.36 J
1,2,3,4,7,8-HxCDD	--	--	ng/kg		5.5	11.8	3.83	3.5	27.4	45	49.2	3.94	4.09	5.9	5.45
1,2,3,6,7,8-HxCDD	--	--	ng/kg		33.5	27.5	11.9	11.8	84.8	91.6	103	8.89	11.2	12.8	16.3
1,2,3,7,8,9-HxCDD	--	--	ng/kg		22.5	21.9	7.73	7.05	57.7	164	204	7.79	10.8	11.3	11.4
1,2,3,4,6,7,8-HpCDD	--	--	ng/kg		417	521	235	349	1,680	1,770	2,040	175	212	289	364
OCDD	--	--	ng/kg		2,540	3,830	2,270	3,710	16,900 J	17,200	17,300	1490	2150	2750	3,130
2,3,7,8-TCDF	--	--	ng/kg		4.08	7.1	4.52	7.65	74.8	6.98	7.79	6.88	7.35	18.3	3.42
1,2,3,7,8-PeCDF	--	--	ng/kg		2.69	4.83	3.1	2.78	17.2	5.32 J	6.2 J	2.43 J	2.05 J	4.4	2.79 J
2,3,4,7,8-PeCDF	--	--	ng/kg		5.96	8.15	4.88	5.69	34.3	7.4 J	9.22 J	4.17	3.6	8.03	4.49 J
1,2,3,4,7,8-HxCDF	--	--	ng/kg		6.86	11.4	9.53	14.2	48.3	15.8 J	18.4 J	4.66	3.79	8.03	6.45
1,2,3,6,7,8-HxCDF	--	--	ng/kg		5.31	9.45	6.02	5.04	30.7	14.1 J	16.2 J	3.58	3.55	5.78	5.53
1,2,3,7,8,9-HxCDF	--	--	ng/kg		1.85 J	3.16	2.17 J	1.06 J	3.33	< 2.11 U	3.53 J	0.502 J	0.494 J	1.03 J	1.26 J
2,3,4,6,7,8-HxCDF	--	--	ng/kg		7.27	13.2	9.71	4.97	31.3	18.9 J	22.3 J	4.29	4	6.78	7.08
1,2,3,4,6,7,8-HpCDF	--	--	ng/kg		63.7	116	72.8	49.5	277	200	277	36.4	36.3	59.1	77.1
1,2,3,4,7,8,9-HpCDF	--	--	ng/kg		4.31	7.81	5.04	6.78	29.3	16.6 J	17.4 J	3.27	2.57	5.33	6.06
OCDF	--	--	ng/kg		141	242	189	134	648	543	609	69.1	57.4	130	144
Dioxin/Furan TEQ, nd SDL*0	25	--	ng/kg		20.4 J	28.1	14.0 J	15 J	91 J	100 J	130 J	7.99 J	12.1 J	18.9 J	15.9 J
Dioxin/Furan TEQ, nd SDL*0.5	25	--	ng/kg		20.4 J	28.7	14.0 J	15 J	91 J	110 J	130 J	9.33 J	12.4 J	18.9 J	16.2 J
Dioxin/Furan TEQ, nd SDL*1	25	--	ng/kg		20.4 J	29.3	14.0 J	16 J	91 J	110 J	130 J	10.7 J	12.7 J	18.9 J	16.6 J

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01
				Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total TCDD	--	--	ng/kg		31.1 J	51.8 J	22.5 J	8.69 U*	66.7	118 J	90.5 J	12 J	16.8 J	30.4 J	14.6 J
Total TCDF	--	--	ng/kg		90.4 J	147	103	66.8 U*	557 J	129 J	122 J	77.9 J	80.3 J	155 J	76.1
Total PeCDD	--	--	ng/kg		45	89.5	35.4	19.9	138	350	319	24 J	34.8	48.3	35.7
Total PeCDF	--	--	ng/kg		119	172 J	181	67.1	457	170	175 J	59.8	63.4 J	115 J	87.1 J
Total HxCDD	--	--	ng/kg		252	287	105	94	766	1220	1280	98.7	131	148	136
Total HxCDF	--	--	ng/kg		118	206 J	164	91.6	505	299	345	59.4	63.5	100	108
Total HpCDD	--	--	ng/kg		888	1160	505	692	3350	3640	4460	353	446	635	708
Total HpCDF	--	--	ng/kg		174	295	230	161	770	551	655	80.1	78.7	144	171
PAHs (µg/kg)															
1-Methylnaphthalene	--	--	µg/kg		210	170	69	15 J	150 J	340 J	370 J	270	110 J	97 J	35 J
2-Chloronaphthalene	--	--	µg/kg		< 44 U	< 54 U	< 33 U	< 26 U	< 580 U	< 450 U	< 760 U	< 35 U	< 170 U	< 170 U	< 94 U
2-Methylnaphthalene	670	1,400	µg/kg		280	270	100	18 J	< 580 U	320 J	310 J	350	210	170	49 J
Acenaphthene	500	730	µg/kg		70	27 J	100	45	2,200	11,000	4,500	140	170	100 J	< 94 U
Acenaphthylene	1,300	1,300	µg/kg		52	35 J	33	39	< 580 U	890	270 J	< 35 U	< 170 U	< 170 U	< 94 U
Anthracene	960	4,400	µg/kg		170	350	130	200	4,600	39,000	8,400	90	91 J	95 J	< 94 U
Benzo(a)anthracene	1,300	1,600	µg/kg		380	290	410	960	16,000	230,000	32,000	330	190	600	< 94 U
Benzo(a)pyrene	1,600	3,000	µg/kg		450	280	430	1,100	20,000	220,000	40,000	340 J	330	670	< 140 U
Benzo(g,h,i)perylene	670	720	µg/kg		280	150	190	320	7,700	85,000	16,000	290 J	210	260	< 120 U
Chrysene	1,400	2,800	µg/kg		820	620	700	1,300	24,000	300,000	49,000	520	410	920	< 120 U
Dibenz(a,h)anthracene	230	540	µg/kg		42 J	< 110 U	73	79	2,100	27,000	4,700	94 J	< 330 U	< 340 U	< 190 U
Dibenzofuran	540	700	µg/kg		74 J	< 270 U	44 J	32 J	1,600 J	7,700	3,800	100 J	< 840 U	64 J	< 470 U
Fluoranthene	1,700	2,500	µg/kg		1,100	860	1,000	2,200	56,000	640,000	110,000	940	b 830	1,500	220
Fluorene	540	1,000	µg/kg		140	82	85	70	2,500	14,000	4,900	120	130 J	56 J	94
Indeno(1,2,3-cd)pyrene	600	690	µg/kg		230	130	120	450	10,000	120,000	22,000	270 J	210 J	250 J	< 190 U
Naphthalene	2,100	2,400	µg/kg		120	130	59	25 J	< 580 U	630	220 J	160	< 170 U	140 J	39 J
Phenanthrene	1,500	5,400	µg/kg		710	490	520	1,200	40,000	310,000	80,000	520	540	540	240
Pyrene	2,600	3,300	µg/kg		1,300	900	1,100	1,900	44,000	500,000	86,000	930	700	1,400	420
Total Benzofluoranthenes	3,200	3,600	µg/kg		930	850	1,000	2,400	45,000	570,000	93,000	940	750	1,700	< 210 U
Total HPAHs	12,000	17,000	µg/kg		5,500 J	4,100	5,000	1,100	220,000 J	2,700,000	450,000	4,700	3,600	7,300	640
Total LPAHs	5,200	13,000	µg/kg		1,300	1,100 J	930	1,600	49,000	380,000	98,000	1,000	930	930	370
cPAHs, nd RL*0	1,000	--	µg/kg		620 J	410	600	1,500 J	28,000 J	318,000	56,000 J	510	450	940	< 0.00 U
cPAHs, nd RL*0.5	1,000	--	µg/kg		620 J	420	600	1,500 J	28,000 J	318,000	56,000 J	510	470	960	< 110 U
cPAHs, nd RL*1	1,000	--	µg/kg		620 J	420	600	1,500 J	28,000 J	318,000	56,000 J	510	480	970	< 210 U
Phthalates (µg/kg)															
bis(2-Ethylhexyl)phthalate	1,300	1,900	µg/kg		13,000	41,000	3,200	1,900	2,900 J	15,000	10,000 J	16,000	9,500	1,800 J	32,000
Butylbenzylphthalate	63	900	µg/kg		910	< 390 U	< 290 U	180 J	< 5,800 U	< 4,500 U	< 7,600 U	780	420 J	640 J	1,400
Di-n-Butylphthalate	1,400	5,100	µg/kg		< 1100 U	< 1300 U	< 820 U	160 J	< 15,000 U	< 11,000 U	< 19,000 U	220 J	< 4,200 U	< 4,300 U	410 J
Diethylphthalate	200	1,200	µg/kg		< 440 U	< 540 U	< 330 U	< 260 U	< 5,800 U	< 4,500 U	< 7,600 U	< 350 U	< 1,700 U	< 1,700 U	170 J
Dimethylphthalate	71	160	µg/kg		94 J	27 J	< 160 U	10 J	< 2,900 U	230 J	470 J	290	150 J	86 J	< 470 U
Di-n-Octyl phthalate	6,200	--	µg/kg		370 J	2000	240 J	270 J	1,400 J	2,500 J	3,300 J	1100 J	790 J	< 4300 U	< 2400 U
Phenols (µg/kg)															
2,4,5-Trichlorophenol	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2,4,6-Trichlorophenol	--	--	µg/kg		< 330 U	< 400 U	< 250 U	< 190 U	< 4,400 U	< 3,400 U	< 5,700 U	< 260 U	< 1,300 U	< 1,300 U	< 710 U
2,4-Dichlorophenol	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2,4-Dimethylphenol	29	29	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2,4-Dinitrophenol	--	--	µg/kg		< 2,200 U	< 2,700 U	< 1,600 U	< 1,300 U	< 29,000 U	< 23,000 U	< 38,000 U	< 1,800 U	< 8,400 U	< 8,500 U	< 4,700 U
2-Chlorophenol	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2-Methylphenol	63	63	µg/kg		< 220 U	52 J	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2-Nitrophenol	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01
				Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4,6-Dinitro-2-Methylphenol	--	--	µg/kg		< 2,200 U	< 2,700 U	< 1,600 U	< 1,300 U	< 29,000 U	< 23,000 U	< 38,000 U	< 1,800 U	< 8,400 U	< 8,500 U	< 4,700 U
4-Chloro-3-methylphenol	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
4-Methylphenol	670	670	µg/kg		**4,400**	**240 J**	**850**	< 260 U	< 5,800 U	< 4,500 U	< 7,600 U	**78 J**	**130 J**	< 1,700 U	**460 J**
4-Nitrophenol	--	--	µg/kg		< 2,200 U	< 2,700 U	< 1,600 U	< 1,300 U	< 29,000 U	< 23,000 U	< 38,000 U	**560 J**	< 8,400 U	< 8,500 U	< 4,700 U
Pentachlorophenol	360	690	µg/kg		< 440 U	< 540 U	< 330 U	**97 J**	< 5,800 U	< 4,500 U	< 7,600 U	< 350 U	< 1,700 U	< 1,700 U	< 940 U
Phenol	420	1,200	µg/kg		**420**	< 270 U	220	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	**110 J**	**160 J**	**190 J**	< 470 U
Other SVOCs (µg/kg)															
1,2,4-Trichlorobenzene	31	51	µg/kg		< 110 U	< 130 U	< 82 U	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
1,2-Dichlorobenzene	35	50	µg/kg		< 120 U	< 150 U	< 90 U	< 71 U	< 1,600 U	< 1,200 U	< 2,100 U	< 96 U	< 460 U	< 470 U	< 260 U
1,3-Dichlorobenzene	--	--	µg/kg		< 110 U	< 130 U	< 82 U	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
1,4-Dichlorobenzene	110	120	µg/kg		< 110 U	< 130 U	< 82 U	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
2,4-Dinitrotoluene	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	**66 J**	< 840 U	< 850 U	< 470 U
2,6-Dinitrotoluene	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
2-Nitroaniline	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
3,3'-Dichlorobenzidine	--	--	µg/kg		< 440 U	< 540 U	< 330 U	< 260 U	< 5,800 U	< 4,500 U	< 7,600 U	< 350 U	< 1,700 U	< 1,700 U	< 940 U
3-Nitroaniline	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
4-Bromophenyl-phenylether	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
4-Chloroaniline	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
4-Chlorophenyl-phenylether	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
4-Nitroaniline	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Benzoic Acid	650	650	µg/kg		< 5,600 U	< 6,700 U	< 4,100 U	< 3,200 U	< 73,000 U	< 57,000 U	< 96,000 U	< 4,400 U	< 21,000 U	< 21,000 U	< 12,000 U
Benzyl Alcohol	57	73	µg/kg		< 220 U	**56 J**	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	**180 J**	< 470 U
2,2'-Oxybis(1-Chloropropane)	--	--	µg/kg		< 560 U	< 670 U	< 410 U	< 320 U	< 7,300 U	< 5,700 U	< 9,600 U	< 410 U	< 2,100 U	< 2,100 U	< 1,200 U
bis(2-Chloroethoxy) Methane	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Bis-(2-Chloroethyl) Ether	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Carbazole	--	--	µg/kg		**79 J**	**97 J**	**46 J**	**160**	**6,400**	**46,000**	**14,000**	**110 J**	**130 J**	**170 J**	< 470 U
Hexachlorobenzene	22	70	µg/kg		< 110 U	< 130 U	< 82 U	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
Hexachlorobutadiene	11	120	µg/kg		< 110 U	< 130 U	< 82 U	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
Hexachlorocyclopentadiene	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Hexachloroethane	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Isophorone	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
Nitrobenzene	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
N-Nitrosodimethylamine	--	--	µg/kg		< 2200 U	< 2700 U	< 1600 U	< 1300 U	< 29,000 U	< 23,000 U	< 38,000 U	< 1,800 U	< 8,400 U	< 8,500 U	< 4,700 U
N-Nitroso-Di-N-Propylamine	--	--	µg/kg		< 220 U	< 270 U	< 160 U	< 130 U	< 2,900 U	< 2,300 U	< 3,800 U	< 180 U	< 840 U	< 850 U	< 470 U
N-Nitrosodiphenylamine	28	40	µg/kg		**190**	**51 J**	**52 J**	< 65 U	< 1,500 U	< 1,100 U	< 1,900 U	< 88 U	< 420 U	< 430 U	< 240 U
VOCs (µg/kg)															
1,1,1,2-Tetrachloroethane	--	--	µg/kg		< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
1,1,1-Trichloroethane	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
1,1,2,2-Tetrachloroethane	--	--	µg/kg		< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
1,1,2-Trichloroethane	--	--	µg/kg		< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
1,1-Dichloroethane	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
1,1-Dichloroethene	--	--	µg/kg		< 12 U	< 10 UJ	< 7.6 UJ	< 3.3 U	< 17 U	< 11 U	< 15 U	na	< 6.6 U	na	na
1,1-Dichloropropene	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
1,2,3-Trichlorobenzene	--	--	µg/kg		< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	**4.4 J**	< 4.3 UJ	< 6.2 UJ	na	**2.7 J**	na	na
1,2,3-Trichloropropane	--	--	µg/kg		< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
1,2,4-Trimethylbenzene	--	--	µg/kg		**28 J**	**88 J**	**18 J**	< 1.3 UJ	**1.6 J**	< 4.3 UJ	**17 J**	na	**6.2 J**	na	na
1,2-Dibromo-3-chloropropane	--	--	µg/kg		< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
1,2-Dibromoethane	--	--	µg/kg		< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
1,2-Dichloroethane	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Location ID				AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01
Collection Date				1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014
Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
1,3,5-Trimethylbenzene	--	--	µg/kg	**13 J**	**33 J**	**8.1 J**	< 3.3 UJ	< 17 UJ	< 11 UJ	**2.3 J**	na	**3.6 J**	na	na
1,3-Dichloropropane	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
2,2-Dichloropropane	--	--	µg/kg	< 12 U	< 10 UJ	< 7.6 UJ	< 3.3 U	< 17 U	< 11 U	< 15 U	na	< 6.6 U	na	na
2-Chloroethylvinylether	--	--	µg/kg	< 12 UJ	< 10 UJ	< 7.6 UJ	< 3.3 UJ	< 17 UJ	< 11 UJ	< 15 UJ	na	< 6.6 U	na	na
2-Chlorotoluene	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
2-Hexanone	--	--	µg/kg	< 12 UJ	**7.4 J**	< 7.6 UJ	< 3.3 UJ	< 17 UJ	< 11 UJ	< 15 UJ	na	< 6.6 U	na	na
4-Chlorotoluene	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
Acetone	--	--	µg/kg	**460 J**	**450 J**	**190 J**	**11**	**220 J**	**47**	**290 J**	na	**460 J**	na	na
Acrolein	--	--	µg/kg	< 74 U	< 62 UJ	< 46 UJ	< 20 U	< 100 U	< 64 U	< 92 U	na	< 40 U	na	na
Acrylonitrile	--	--	µg/kg	< 25 U	< 21 UJ	< 15 UJ	< 6.6 U	< 34 U	< 21 U	< 31 U	na	< 13 U	na	na
Benzene	--	--	µg/kg	**2.0 J**	**3.7 J**	**1.8 J**	< 0.66 U	< 3.4 U	< 2.1 U	**1.2 J**	na	**0.62 J**	na	na
Bromobenzene	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
Bromochloromethane	--	--	µg/kg	< 5 U	< 4.2 UJ	< 3.1 UJ	< 1.3 U	< 6.8 U	< 4.3 U	< 6.2 U	na	< 2.6 U	na	na
Bromoform	--	--	µg/kg	< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
Bromomethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Carbon Disulfide	--	--	µg/kg	**35**	**53 J**	**6.5 J**	< 0.66 U	**0.92 J**	**2.3**	**11 J**	na	**12 J**	na	na
Carbon Tetrachloride	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Chlorobenzene	--	--	µg/kg	< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
Dibromochloromethane	--	--	µg/kg	< 2.5 U	, 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Chloroethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Chloroform	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Chloromethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
cis-1,2-Dichloroethene	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
cis-1,3-Dichloropropene	--	--	µg/kg	< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
Dibromomethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Bromodichloromethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Dichlorodifluoromethane	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Ethylbenzene	--	--	µg/kg	**3.1 J**	**14 J**	**3 J**	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	**4.9 J**	na	**4.6 J**	na	na
Isopropylbenzene	--	--	µg/kg	**1.5 J**	**2.7 J**	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**1.4 J**	na	**1.5 J**	na	na
m,p-Xylene	--	--	µg/kg	**9.7 J**	**32 J**	**8.8 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**4.3 J**	na	**14 J**	na	na
2-Butanone	--	--	µg/kg	< 25 U	< 21 UJ	< 15 UJ	< 6.6 U	< 34 U	< 21 U	, 31 U	na	**140 J**	na	na
Iodomethane	--	--	µg/kg	< 37 U	< 31 UJ	< 23 UJ	< 10 U	< 51 U	< 32 U	< 46 U	na	< 20 U	na	na
4-Methyl-2-Pentanone (MIBK)	--	--	µg/kg	**65 J**	**21 J**	**51 J**	< 3.3 UJ	**5.6 J**	< 11 UJ	< 15 UJ	na	**12 J**	na	na
Methyl tert-Butyl Ether	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Methylene Chloride	--	--	µg/kg	< 37 U	< 31 UJ	< 23 UJ	< 10 U	< 51 U	< 32 U	< 46 U	na	< 20 U	na	na
n-Butylbenzene	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	**1.8 J**	< 4.3 UJ	**2.9 J**	na	< 1.6 U	na	na
n-Propylbenzene	--	--	µg/kg	**6.2 J**	**11 J**	**4.0 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**3.3 J**	na	**1.2 J**	na	na
o-Xylene	--	--	µg/kg	**5.1 J**	**21 J**	**5.1 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**4.1 J**	na	**14 J**	na	na
4-Isopropyltoluene	--	--	µg/kg	**12 J**	**30 J**	**5.7 J**	< 1.3 UJ	**1.7 J**	, 4.3 UJ	**12 J**	na	**1.1 J**	na	na
sec-Butylbenzene	--	--	µg/kg	**6 J**	**8.5 J**	< 3.1 UJ	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	**1.4 J**	na	na
Styrene	--	--	µg/kg	**1.6 J**	**1 J**	**0.67 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	< 6.2 UJ	na	< 2.6 U	na	na
tert-Butylbenzene	--	--	µg/kg	< 5 UJ	< 4.2 UJ	< 3.1 UJ	< 1.3 UJ	**1.6 J**	< 4.3 UJ	< 6.2 UJ	na	< 1.2 U	na	na
Tetrachloroethene	--	--	µg/kg	< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
Toluene	--	--	µg/kg	**13 J**	**220 J**	**11 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**46 J**	na	**7.9 J**	na	na
Total Xylenes	--	--	µg/kg	**160 J**	**53 J**	**14 J**	< 1.3 UJ	< 6.8 UJ	< 4.3 UJ	**8.4 J**	na	**28 J**	na	na
trans-1,2-Dichloroethene	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
trans-1,3-Dichloropropene	--	--	µg/kg	< 2.5 UJ	< 2.1 UJ	< 1.5 UJ	< 0.66 UJ	< 3.4 UJ	< 2.1 UJ	< 3.1 UJ	na	< 1.3 U	na	na
trans-1,4-Dichloro-2-butene	--	--	µg/kg	< 12 UJ	< 10 UJ	< 7.6 UJ	< 3.3 UJ	< 17 UJ	< 11 UJ	< 15 UJ	na	< 6.6 U	na	na
Trichloroethene	--	--	µg/kg	< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01
				Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	--	--	µg/kg		< 2.5 U	< 2.1 UJ	< 1.5 UJ	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
Vinyl Acetate	--	--	µg/kg		< 12 U	< 10 UJ	< 7.6 UJ	< 3.3 U	< 17 U	< 11 U	< 15 U	na	< 6.6 U	na	na
Vinyl Chloride	--	--	µg/kg		< 2.5 U	**1.8 J**	**1.4 J**	< 0.66 U	< 3.4 U	< 2.1 U	< 3.1 U	na	< 1.3 U	na	na
TPH (mg/kg)															
Gasoline-Range Hydrocarbons	30/100	--	mg/kg		**94 J**	**16 J**	**86**	< 1.9 U	**18 J**	**4.8 J**	**9.5 J**	na	**19**	na	na
Diesel-Range Hydrocarbons	2,000	--	mg/kg		**1,500 J**	**1,400 J**	**480 J**	**180 J**	**950 J**	**4,100 J**	**2,200 J**	**2,600 J**	**840 J**	**410 J**	**6,800 J**
Motor Oil-Range Hydrocarbons	2,000	--	mg/kg		**5,100 J**	**8,500 J**	**2,800 J**	**1,100 J**	**6,600 J**	**10,000 J**	**7,100 J**	**10,000 J**	**5,400 J**	**1,900 J**	**45,000**
Grain size (%)															
Clay	--	--	%		20	14	16	0.40	3.6	3.4	3.6	na	0.70	1.3	5.6
Silt	--	--	%		55	61	51	3.2	61	37	36	na	17	49	30
Sand	--	--	%		23	24	32	93	32	58	48	na	75	45	63
Gravel	--	--	%		2.3	1.4	0.50	3.4	3.0	1.4	13	na	7.2	5.0	1.6
Cobbles	--	--	%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.0	0.0
Conventionals (%)															
Total Organic Carbon	--	--	%		11	11	6.1	1.5	15	8.3	17	na	6.9	7.6	14 J
Total Solids	--	--	%		43.3	35.7	59.6	75.9	33.8	43.1	25.5	57.0	59.7	57.4	41.9

a - LDW RALs are presented for cPAHs and dioxin/furan TEQs. MTCA Method A cleanup levels for soil are presented for TPH.

b - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Petroleum hydrocarbon results are compared to MTCA Method A cleanup levels. Two cleanup levels are available for TPH-Gasoline under MTCA Method A. The more stringent value (30 mg/kg) is applied for facilities where benzene has been detected.

Results in **bold** are detections.

Results shaded in gray exceed one or more criteria.

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	DS-CB-H1	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08
				Collection Date	12/16/2014	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals (Total) (mg/kg)															
Antimony	--	--	mg/kg		6.7	1.9	17	0.89	9.4	8.2	9.4	20	16	5.2	4.6
Arsenic	57	93	mg/kg		10	4.9	12	5.5	10	14	14	22	69	14	11
Beryllium	--	--	mg/kg		0.19 J	0.12 J	0.43	0.15 J	0.22 J	0.22 J	0.23 J	0.23 J	0.21 J	0.32	0.32
Cadmium	5.1	6.7	mg/kg		1.1	0.51	7.2	0.93	3.3	4.3	5.5	6.5	16	0.7	0.4
Chromium	260	270	mg/kg		60	21	100	66	62	130	66	160	330	84 J	42 J
Copper	390	390	mg/kg		120	82	320	270	2,500	990	740	1,800	14,000	130	100
Lead	450	530	mg/kg		150	48	500	39	490	250	430	430	940	81	78
Mercury	0.41	0.59	mg/kg		0.050	0.019 J	0.061	0.28	0.18	0.20	1.1	0.19	1.7	0.14	0.11
Nickel	--	--	mg/kg		38	21	72	60	47	110	46	180	230	58	35
Selenium	--	--	mg/kg		0.79 J	0.62 J	1.1	0.5 J	1.0 J	1.1	1.1 J	1.2	1.6	0.9 J	1.1 J
Silver	6.1	6.1	mg/kg		1.4	0.63	7.3	0.27	0.56	1.2	1.3	2.1	1.2	0.17 J	0.15 J
Thallium	--	--	mg/kg		< 1.3 U	< 0.75 U	< 0.64 U	< 0.51 U	< 0.97 U	< 0.81 U	< 1.4 U	0.3 J	< 1.1 U	< 0.6 U	< 0.62 U
Zinc	410	960	mg/kg		550	240	4,200	26,000	1,600	2,700	2,000	5,600	2,900	380	430
PCB Aroclors (µg/kg)															
Aroclor 1016	--	--	µg/kg		< 32 U	< 18 U	< 15 U	< 14 U	< 20 U	< 18 U	< 32 U	< 22 U	210 J	< 17 U	< 20 U
Aroclor 1221	--	--	µg/kg		< 35 U	< 20 U	< 17 U	< 16 U	< 22 U	< 20 U	< 36 U	< 24 U	< 31 U	< 19 U	< 22 U
Aroclor 1232	--	--	µg/kg		< 35 U	< 20 U	< 17 U	< 16 U	< 22 U	< 20 U	< 36 U	< 24 U	< 31 U	< 19 U	< 22 U
Aroclor 1242	--	--	µg/kg		< 32 U	< 18 U	< 15 U	< 14 U	< 20 U	< 18 U	< 32 U	< 22 U	< 28 U	< 17 U	< 20 U
Aroclor 1248	--	--	µg/kg		< 32 U	< 18 U	< 15 U	< 14 U	180 J	130	1,600	< 22 U	< 28 U	< 17 U	< 20 U
Aroclor 1254	--	--	µg/kg		62 J	35 J	77 J	< 14 U	< 20 U	< 18 U	< 32 U	< 22 U	2,200	< 17 U	< 20 U
Aroclor 1260	--	--	µg/kg		< 32 UJ	< 18 UJ	< 15 UJ	< 14 U	390	390 J	1,900	540	1,700 J	110	74
Total PCB Aroclors	130	1,000	µg/kg		62 J	35 J	77 J	< 14 U	570 J	520 J	3,500	540	4,100 J	110	74
PCB Congeners (ug/kg) [b]															
Total PCB Congeners	130	1,000	µg/kg		147 J	47.2 J	84.4 J	34.4 J	1,320,000 J	762 J	7,500 J	896 J	3,960 J	426 J	264 J
PCB TEQ, nd SDL*0	--	--	µg/kg		0.0181 J	0.0992 J	0.0217 J	7.4E-05 J	0.149	0.0894	0.608	0.017 J	0.23 J	0.015 J	0.013 J
PCB TEQ, nd SDL*0.5	--	--	µg/kg		0.0192 J	0.0105 J	0.022 J	0.00011 J	0.152	0.0934	0.608	0.0852 J	0.24 J	0.016 J	0.014 J
PCB TEQ, nd SDL*1	--	--	µg/kg		0.0203 J	0.011 J	0.0222 J	0.00015 J	0.154	0.0975	0.608	0.17 J	0.26 J	0.018 J	0.016 J
Dioxins and Furans (ng/kg)															
2,3,7,8-TCDD	--	--	ng/kg		3.72	0.997	4.06	< 0.205 U*	< 9.7 U*	21.6	49	2.03	19.3	< 0.302 U*	< 0.228 U*
1,2,3,7,8-PeCDD	--	--	ng/kg		15.3	3.72	15.2	0.97 J	82.8	184	434	11.7	134	1.92 J	1.51 J
1,2,3,4,7,8-HxCDD	--	--	ng/kg		23.1	5.54	20.6	1.46 J	182	537	1,030	20.9	245	4.5	5.11
1,2,3,6,7,8-HxCDD	--	--	ng/kg		45.7	9.36	38.6	5.78	533	1,150	3,010	51.8	871	22.4	23.7
1,2,3,7,8,9-HxCDD	--	--	ng/kg		37	8.6	34.1	3.65	365	1,060	1,980	37.4	609	9.21	9.01
1,2,3,4,6,7,8-HpCDD	--	--	ng/kg		925	157	766	187	15900	39,400 J	104,000 J	1,650	30,400 J	823	922
OCDD	--	--	ng/kg		10,300 J	1,100	8,950 J	1,200	201,000 J	442,000 J	1,160,000 J	19,800 J	484,000 J	9420 J	10,200 J
2,3,7,8-TCDF	--	--	ng/kg		6.91	3.44	5.2	0.861	17.9	15.9	78.6	7.9	29.1	1.41	1.11
1,2,3,7,8-PeCDF	--	--	ng/kg		4.66	1.53 J	3.23	0.518 J	24.1 J	27.1	119	4.66	35.3	1.58 J	1.68 J
2,3,4,7,8-PeCDF	--	--	ng/kg		9.89	3.45	5.61	1.34 J	33	26.3	193	10.5	54.5	2.88	2.21 J
1,2,3,4,7,8-HxCDF	--	--	ng/kg		14.4	3.44	7.83	1.29 J	177	203	996	14.8	166	6.6	6.46
1,2,3,6,7,8-HxCDF	--	--	ng/kg		16	3.9	8.63	1.33 J	125	158	931	13.8	118	3.61	3.29
1,2,3,7,8,9-HxCDF	--	--	ng/kg		4.94	1.06 J	2.31 J	< 0.195 U	48.3	39.2	227	1.18 J	17.1	0.454 J	0.428 J
2,3,4,6,7,8-HxCDF	--	--	ng/kg		26.5	6.18	10.8	1.52 J	168	228	1,180	18.5	167	5.13	5.14
1,2,3,4,6,7,8-HpCDF	--	--	ng/kg		151	32.7	124	18.5	4,530	5,500	25,300 J	256	3,830 J	83.7	92
1,2,3,4,7,8,9-HpCDF	--	--	ng/kg		9.26	1.95 J	5.32	1.16 J	399	505	1,410	15.7	180	5.95	6.53
OCDF	--	--	ng/kg		246	47.8	199	40.2	25,800	35,600	70,100 J	876	14,000 J	287	370
Dioxin/Furan TEQ, nd SDL*0	25	--	ng/kg		53.6 J	12.2 J	45.5 J	5.42 J	531 J	1,150 J	3,160 J	59 J	890 J	20.2 J	21.0 J
Dioxin/Furan TEQ, nd SDL*0.5	25	--	ng/kg		53.6 J	12.2 J	45.5 J	5.53 J	536 J	1,150 J	3,160 J	59 J	890 J	20.4 J	21.1 J
Dioxin/Furan TEQ, nd SDL*1	25	--	ng/kg		53.6 J	12.2 J	45.5 J	6.64 J	541 J	1,150 J	3,160 J	59 J	890 J	20.5 J	21.3 J

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	DS-CB-H1	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08
				Collection Date	12/16/2014	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total TCDD	--	--	ng/kg		38.9 J	7.9 J	33.1 J	3.6 J	53.4 J	105 J	288 J	31.4	126	2.60 J	2.39 J
Total TCDF	--	--	ng/kg		242 J	56.3 J	88 J	16.3	252 J	248 J	1,070 J	127 J	339 J	26.3 J	17.8 J
Total PeCDD	--	--	ng/kg		108	29.6	108	9.12 J	337 J	656 J	1,780 J	86.1	589	17.4	15 J
Total PeCDF	--	--	ng/kg		507 J	105	96.1 J	16	981	1,200 J	6,130 J	230	1,180 J	45.5 J	44.1
Total HxCDD	--	--	ng/kg		416	103	405	59.3	3,450	7,590	21,400	479	5,220	294	381
Total HxCDF	--	--	ng/kg		434 J	98 J	183 J	23.9	4,710	5,770	30,700 J	360	4,670	131	152
Total HpCDD	--	--	ng/kg		1,860	336	1,600	386	29,400	62,200	193,000	3,620	56,000	3,220	3,990
Total HpCDF	--	--	ng/kg		364	73.4	273	39.2	16,700	22,300	70,800	718	12,700	319	377
PAHs (µg/kg)															
1-Methylnaphthalene	--	--	µg/kg		250 J	< 530 U	< 470 U	24 J	110 J	280 J	< 970 U	3,100	2,800	74	52 J
2-Chloronaphthalene	--	--	µg/kg		< 650 U	< 360 U	< 310 U	< 60 U	< 420 U	< 370 U	< 650 U	< 88 UJ	< 57 U	< 35 UJ	< 39 UJ
2-Methylnaphthalene	670	1,400	µg/kg		280 J	< 360 U	< 310 U	27 J	110 J	360 J	170 J	4,600	4,700	220	110
Acenaphthene	500	730	µg/kg		3,200	< 360 U	87 J	61	190 J	250 J	270 J	170 J	< 57 U	460 J	120 J
Acenaphthylene	1,300	1,300	µg/kg		< 650 U	< 360 U	< 310 U	< 60 U	< 420 U	< 370 U	170 J	< 88 U	< 57 U	72 J	44 J
Anthracene	960	4,400	µg/kg		4,900	< 360 U	160 J	270	490	< 370 U	820	190 J	800	2,700	550
Benzo(a)anthracene	1,300	1,600	µg/kg		12,000	190 J	730	600	1,600	1,200	2,300	270 J	3,400	1,500	1,500
Benzo(a)pyrene	1,600	3,000	µg/kg		13,000	180 J	900	450	1500	1,400	2,800	370 J	3,800	740	590
Benzo(g,h,i)perylene	670	720	µg/kg		4,000	94 J	400	250	850	880	2,000	360	1,400	400	330
Chrysene	1,400	2,800	µg/kg		14,000	300 J	1100	750	3,400	2,200	5,400	960 J	5,900	2,200	2,400
Dibenz(a,h)anthracene	230	540	µg/kg		1,400	< 710 U	120 J	44 J	< 850 U	< 740 U	500 J	< 180 U	440	130	100
Dibenzofuran	540	700	µg/kg		1,400 J	< 1,800 U	< 1,600 U	36 J	110 J	140 J	230 J	< 440 UJ	< 290 U	530 J	220 J
Fluoranthene	1,700	2,500	µg/kg		36,000	470	2000	1,200	4,000	2,700	7,100	1,600 J	12,000	6,000	2,200
Fluorene	540	1,000	µg/kg		2,600	< 360 U	99 J	88	< 420 U	260 J	460 J	510	950	1,200	240
Indeno(1,2,3-cd)pyrene	600	690	µg/kg		5,100	120 J	490 J	260	680 J	790	1,900	250	1,800	450	360
Naphthalene	2,100	2,400	µg/kg		530 J	< 360 U	< 310 U	100	120 J	290 J	210 J	2,200	2,000	150	93
Phenanthrene	1,500	5,400	µg/kg		28,000	310 J	1,200	1,000	2,700	2,100	4,200	880 J	6,300	5,400	2,000
Pyrene	2,600	3,300	µg/kg		30,000	420	1,600	1,100	4,300	2,800	7,200	2,200 J	11,000	5,000	4,100
Total Benzofluoranthenes	3,200	3,600	µg/kg		28,000	480 J	2,100	930	3,700	3,700	7,000	1,000 J	11,000	2,100	1,900
Total HPAHs	12,000	17,000	µg/kg		140,000	2,300 J	9,400 J	5,600	20,000 J	16,000	36,000 J	7,000	50,000	19,000	14,000
Total LPAHs	5,200	13,000	µg/kg		39,000 J	310 J	1,500 J	1,500	3,500 J	2,900 J	6,100 J	4,000	10,000	10,000 J	3,000 J
cPAHs, nd RL*0	1,000	--	µg/kg		18,000	260 J	1,300 J	640	2,100 J	2,000	4,000 J	530 J	5,500	1,200	1,000
cPAHs, nd RL*0.5	1,000	--	µg/kg		18,000	300 J	1,300 J	640	2,200 J	2,000	4,000 J	540 J	5,500	1,200	1,000
cPAHs, nd RL*1	1,000	--	µg/kg		18,000	330 J	1,300 J	640	2,200 J	2,000	4,000 J	550 J	5,500	1,200	1,000
Phthalates (µg/kg)															
bis(2-Ethylhexyl)phthalate	1,300	1,900	µg/kg		< 19,000 U	< 11,000 U	7,200 J	7,200	64,000	87,000	120,000	37,000	110,000	3,600	3,300
Butylbenzylphthalate	63	900	µg/kg		< 6,500 U	< 3,600 U	1,300 J	2,800	< 4,200 U	6,000	6,100 J	1,800	4,300	< 630 U	< 97 U
Di-n-Butylphthalate	1,400	5,100	µg/kg		< 16,000 U	< 8,900 U	6,500 J	340 J	35,000	1,900 J	< 16,000 U	3,700	6,600	< 890 U	< 970 U
Diethylphthalate	200	1,200	µg/kg		< 6,500 U	< 3,600 U	< 3,100 U	< 100 U	< 4,200 U	< 3,700 U	< 6,500 U	< 880 U	< 570 U	< 150 U	< 150 U
Dimethylphthalate	71	160	µg/kg		390 J	260 J	< 1,600 U	< 300 U	1,200 J	180 J	420 J	3,900 J	70,000	< 180 UJ	< 190 UJ
Di-n-Octyl phthalate	6,200	--	µg/kg		< 16,000 U	< 8,900 U	< 7,800 U	270 J	4,600 J	4,900 J	5,300 J	1,200 J	4,400	180 J	< 970 U
Phenols (µg/kg)															
2,4,5-Trichlorophenol	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
2,4,6-Trichlorophenol	--	--	µg/kg		< 4,900 U	< 2,700 U	< 2,300 U	< 450 U	< 3,200 U	< 2,800 U	< 4,900 U	< 660 U	< 430 U	< 270 U	< 290 U
2,4-Dichlorophenol	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
2,4-Dimethylphenol	29	29	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
2,4-Dinitrophenol	--	--	µg/kg		< 32,000 U	< 18,000 U	< 16,000 U	< 3,000 U	< 21,000 U	< 18,000 U	< 32,000 U	< 4,400 U	< 2,900 U	< 1,800 U	< 1,900 U
2-Chlorophenol	--	--	µg/kg		< 3,200 U	< 18,00 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
2-Methylphenol	63	63	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
2-Nitrophenol	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	DS-CB-H1	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08
				Collection Date	12/16/2014	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4,6-Dinitro-2-Methylphenol	--	--	µg/kg		< 32,000 U	< 18,000 U	< 16,000 U	< 3,000 U	< 21,000 U	< 18,000 U	< 32,000 U	< 4,400 U	< 2,900 U	< 1,800 U	< 1,900 U
4-Chloro-3-methylphenol	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	**700 J**	< 1,800 U	< 3,200 U	< 440 U	**17,000**	< 180 U	< 190 U
4-Methylphenol	670	670	µg/kg		< 6,500 U	< 3,600 U	< 3,100 U	**530 J**	< 4,200 U	**400 J**	1,100 J	**330 J**	**6,400**	< 350 U	**160 J**
4-Nitrophenol	--	--	µg/kg		< 32,000 U	< 18,000 U	< 16,000 U	< 3,000 U	< 21,000 U	< 18,000 U	< 32,000 U	< 4,400 U	< 2,900 U	< 1,800 U	< 1,900 U
Pentachlorophenol	360	690	µg/kg		< 6,500 U	< 3,600 U	< 3,100 U	< 600 U	**1,800 J**	**8,100**	**9,500**	< 880 U	**1,500**	< 350 U	< 390 U
Phenol	420	1,200	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	**590**	**520 J**	< 1,800 U	< 3,200 U	**370 J**	**2,200**	< 180 U	< 190 U
Other SVOCs (µg/kg)															
1,2,4-Trichlorobenzene	31	51	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	< 1,100 U	< 920 U	< 1,600 U	< 220 UJ	< 140 U	< 89 UJ	< 97 UJ
1,2-Dichlorobenzene	35	50	µg/kg		< 1,800 U	< 980 U	< 860 U	< 160 U	< 1,200 U	< 1,000 U	< 1,800 U	< 240 UJ	< 160 U	< 98 U	< 110 U
1,3-Dichlorobenzene	--	--	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	< 1,100 U	< 920 U	< 1,600 U	< 220 UJ	< 140 U	< 89 U	< 97 U
1,4-Dichlorobenzene	110	120	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	< 1,100 U	< 920 U	< 1,600 U	< 220 UJ	< 140 U	< 89 U	< 97 U
2,4-Dinitrotoluene	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
2,6-Dinitrotoluene	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
2-Nitroaniline	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
3,3'-Dichlorobenzidine	--	--	µg/kg		< 6,500 U	< 3,600 U	< 3,100 U	< 600 U	< 4,200 U	< 3,700 U	< 6,500 U	< 880 U	< 570 U	< 350 U	< 390 U
3-Nitroaniline	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
4-Bromophenyl-phenylether	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
4-Chloroaniline	--	--	µg/kg		< 3,200 UJ	< 1,800 UJ	< 1,600 UJ	< 300 U	< 2,100 UJ	< 1,800 UJ	< 3,200 UJ	< 440 U	< 290 U	< 180 U	< 190 U
4-Chlorophenyl-phenylether	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
4-Nitroaniline	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
Benzoic Acid	650	650	µg/kg		< 81,000 U	< 44,000 U	< 39,000 U	< 7,500 U	< 53,000 U	< 46,000 U	< 81,000 U	< 11,000 U	**9,700**	< 4,400 U	< 4,900 U
Benzyl Alcohol	57	73	µg/kg		< 3,200 U	< 1800 U	< 1,600 U	**1,300**	< 2,100 U	**46,000**	**1,400 J**	**3,600 J**	**63,000**	**36 J**	< 190 U
2,2'-Oxybis(1-Chloropropane)	--	--	µg/kg		< 8,100 U	< 4,400 U	< 3,900 U	< 750 U	< 5,300 U	< 4,600 U	< 8,100 U	< 1,100 U	< 710 U	< 440 U	< 490 U
bis(2-Chloroethoxy) Methane	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
Bis-(2-Chloroethyl) Ether	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
Carbazole	--	--	µg/kg		**4,200**	< 1,800 U	**230 J**	**76 J**	**400 J**	< 1,800 U	**550 J**	< 440 UJ	**850**	**850**	**120 J**
Hexachlorobenzene	22	70	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	< 1,100 U	< 920 U	< 1,600 U	< 220 U	< 140 U	< 89 U	< 97 U
Hexachlorobutadiene	11	120	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	< 1,100 U	< 920 U	< 1,600 U	< 220 U	< 140 U	< 89 UJ	< 97 UJ
Hexachlorocyclopentadiene	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
Hexachloroethane	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	**1,200**	< 2,100 U	< 1,800 U	< 3,200 U	< 440 UJ	< 290 U	< 180 UJ	< 190 UJ
Isophorone	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	**44 J**	< 2,100 U	**110 J**	< 3,200 U	< 440 U	< 290 U	< 180 UJ	< 190 UJ
Nitrobenzene	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	**120 J**	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 UJ	< 190 UJ
N-Nitrosodimethylamine	--	--	µg/kg		< 32,000 U	< 18,000 U	< 16,000 U	< 3,000 U	< 21,000 U	< 18,000 U	< 32,000 U	< 4,400 U	< 2,900 U	< 1,800 U	< 1,900 U
N-Nitroso-Di-N-Propylamine	--	--	µg/kg		< 3,200 U	< 1,800 U	< 1,600 U	< 300 U	< 2,100 U	< 1,800 U	< 3,200 U	< 440 U	< 290 U	< 180 U	< 190 U
N-Nitrosodiphenylamine	28	40	µg/kg		< 1,600 U	< 890 U	< 780 U	< 150 U	**160 J**	< 920 U	< 1,600 U	< 220 UJ	< 140 U	**56 J**	**78 J**
VOCs (µg/kg)															
1,1,1,2-Tetrachloroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,1,1-Trichloroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,1,2,2-Tetrachloroethane	--	--	µg/kg		na	na	< 3.6 UJ	< 3.1 UJ	< 5.2 UJ	< 2.8 UJ	na	< 56 U	< 66 U	< 3.2 U	< 3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,1,2-Trichloroethane	--	--	µg/kg		na	na	< 3.6 U	< 3.1 UJ	< 5.2 UJ	< 2.8 UJ	na	< 67 U	< 80 U	< 3.2 U	< 3 U
1,1-Dichloroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,1-Dichloroethene	--	--	µg/kg		na	na	< 9.0 U	< 7.7 UJ	< 13 UJ	< 7.1 U	na	< 110 U	< 130 U	**0.99 J**	< 7.5 U
1,1-Dichloropropene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,2,3-Trichlorobenzene	--	--	µg/kg		na	na	< 3.6 UJ	< 180 UJ	< 5.2 UJ	< 2.8 UJ	na	< 220 U	< 270 U	< 3.2 U	< 3 U
1,2,3-Trichloropropane	--	--	µg/kg		na	na	< 1.8 UJ	< 180 UJ	< 2.6 UJ	< 1.4 UJ	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
1,2,4-Trimethylbenzene	--	--	µg/kg		na	na	< 3.6 UJ	**16,000 J**	**12 J**	**8 J**	na	**3,300**	**4,600**	**9.1**	< 3 U
1,2-Dibromo-3-chloropropane	--	--	µg/kg		na	na	< 3.6 UJ	< 880 UJ	< 5.2 UJ	< 2.8 UJ	na	< 1,100 U	< 1,300 U	< 3.2 U	< 3 U
1,2-Dibromoethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 89 U	< 110 U	< 1.6 U	< 1.5 U
1,2-Dichloroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 89 U	< 110 U	< 1.6 U	< 1.5 U

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID / Collection Date	DS-CB-H1 12/16/2014	DS-CB-I3 12/16/2014	DS-TD-O1 12/16/2014	PS-TS-01 9/9/2014	SC-CB-24 12/11/2014	SC-CB-35 12/11/2014	SC-OWS-05 12/11/2014	SP-CB-09 10/8/2014	SP-OWS-01 10/8/2014	ST-CB-04A 2/10/2015	ST-CB-08 2/10/2015
1,2-Dichloropropane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 67 U	< 80 U	< 1.6 U	< 1.5 U
1,3,5-Trimethylbenzene	--	--	µg/kg		na	na	< 9 UJ	**13,000 J**	**7.8 J**	**5 J**	na	**610**	**2,000**	**4.7 J**	< 7.5 U
1,3-Dichloropropane	--	--	µg/kg		na	na	< 3.6 U	< 3.1 UJ	< 5.2 UJ	< 2.8 UJ	na	< 220 U	< 270 U	< 3.2 U	< 3 U
2,2-Dichloropropane	--	--	µg/kg		na	na	< 9 U	< 7.7 UJ	< 13 UJ	< 7.1 U	na	< 220 U	< 270 U	< 8.1 U	< 7.5 U
2-Chloroethylvinylether	--	--	µg/kg		na	na	< 9 U	< 7.7 UJ	< 13 UJ	< 7.1 UJ	na	< 1,100 U	< 1,300 U	< 8.1 U	< 7.5 U
2-Chlorotoluene	--	--	µg/kg		na	na	< 3.6 UJ	< 180 UJ	< 5.2 UJ	< 2.8 UJ	na	< 220 U	67 J	< 3.2 U	< 3 U
2-Hexanone	--	--	µg/kg		na	na	< 9 U	< 7.7 UJ	< 13 UJ	**2.4 J**	na	< 1,100 U	< 1,300 U	< 8.1 U	< 7.5 U
4-Chlorotoluene	--	--	µg/kg		na	na	< 3.6 UJ	< 180 UJ	< 5.2 UJ	< 2.8 UJ	na	< 220 U	< 270 U	< 3.2 U	< 3 U
Acetone	--	--	µg/kg		na	na	**11 J**	**190 J**	**540 J**	**190 J**	na	< 2,200 U	< 2,700 U	**60**	**71**
Acrolein	--	--	µg/kg		na	na	< 54 U	< 46 UJ	< 77 UJ	< 43 U	na	< 6,700 U	< 8,000 U	< 49 U	< 45 U
Acrylonitrile	--	--	µg/kg		na	na	< 18 U	< 15 UJ	< 26 UJ	< 14 U	na	< 1,100 U	< 1,300 U	< 16 U	< 15 U
Benzene	--	--	µg/kg		na	na	< 1.8 U	**0.81 J**	**3.0 J**	**0.84 J**	na	< 89 U	< 110 U	**0.62 J**	< 1.5 U
Bromobenzene	--	--	µg/kg		na	na	< 3.6 UJ	< 180 UJ	< 5.2 UJ	< 2.8 UJ	na	< 220 U	< 270 U	< 3.2 U	< 3 U
Bromochloromethane	--	--	µg/kg		na	na	< 3.6 U	< 3.1 UJ	< 5.2 UJ	< 2.8 U	na	< 220 U	< 270 U	< 3.2 U	< 3 U
Bromoform	--	--	µg/kg		na	na	< 1.8 U	< 180 UJ	< 2.6 UJ	< 1.4 UJ	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Bromomethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 780 U	< 930 U	< 1.6 U	< 1.5 U
Carbon Disulfide	--	--	µg/kg		na	na	< 1.8 U	**1.0 J**	**2.2 J**	**4.8 J**	na	< 220 U	< 270 U	**4.0**	**0.39 J**
Carbon Tetrachloride	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 110 U	< 130 U	< 1.6 U	< 1.5 U
Chlorobenzene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Dibromochloromethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Chloroethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 2,200 U	< 2,700 U	< 1.6 U	< 1.5 U
Chloroform	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Chloromethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 560 U	< 660 U	< 1.6 U	< 1.5 U
cis-1,2-Dichloroethene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
cis-1,3-Dichloropropene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 89 U	< 110 U	< 1.6 U	< 1.5 U
Dibromomethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Bromodichloromethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Dichlorodifluoromethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Ethylbenzene	--	--	µg/kg		na	na	< 1.8 U	**310 J**	**14 J**	**11 J**	na	**240**	**12,000**	**2.3**	< 1.5 U
Isopropylbenzene	--	--	µg/kg		na	na	< 3.6 U	**100 J**	**50 J**	**0.94 J**	na	**50 J**	**830**	**1.1 J**	< 3 U
m,p-Xylene	--	--	µg/kg		na	na	< 3.6 U	**5,000 J**	**43 J**	**39 J**	na	**430**	**5,200**	**9.0**	**0.89 J**
2-Butanone	--	--	µg/kg		na	na	< 18 U	**28 J**	< 26 UJ	**45 J**	na	< 2,200 U	< 2700 U	**14 J**	**26**
Iodomethane	--	--	µg/kg		na	na	< 27 U	< 23 UJ	< 39 UJ	< 21 U	na	< 1,100 U	< 1,300 U	< 24 U	< 23 U
4-Methyl-2-Pentanone (MIBK)	--	--	µg/kg		na	na	< 9 U	**110 J**	**22 J**	**4.2 J**	na	< 1,100 U	**900 J**	**10**	**26**
Methyl tert-Butyl Ether	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
Methylene Chloride	--	--	µg/kg		na	na	< 27 U	< 23 UJ	< 39 UJ	< 21 U	na	< 140 U	< 170 U	< 24 U	< 23 U
n-Butylbenzene	--	--	µg/kg		na	na	< 3.6 UJ	2,100 J	< 5 UJ	< 3 UJ	na	**1,800**	**1,200**	**2.6 J**	< 3 U
n-Propylbenzene	--	--	µg/kg		na	na	< 3.6 UJ	**1,700 J**	< 5.2 UJ	**1.3 J**	na	**180 J**	**1,100**	< 3.2 U	< 3 U
o-Xylene	--	--	µg/kg		na	na	< 3.6 U	**7,200**	**29 J**	**19 J**	na	**230**	**2,300**	**15**	< 3 U
4-Isopropyltoluene	--	--	µg/kg		na	na	< 3.6 UJ	**510 J**	**25 J**	**4.3 J**	na	**290**	**400**	< 3.2 U	**31**
sec-Butylbenzene	--	--	µg/kg		na	na	< 3.6 UJ	**600 J**	**3.4 J**	**1.1 J**	na	**160 J**	**370**	< 3.2 U	< 3 U
Styrene	--	--	µg/kg		na	na	< 3.6 U	< 3.1 UJ	**1.1 J**	**2.1 J**	na	**220**	**9,300**	< 3.2 U	< 3 U
tert-Butylbenzene	--	--	µg/kg		na	na	< 3.6 UJ	< 180 UJ	**1.2 J**	< 2.8 UJ	na	< 220 U	< 270 U	< 3.2 U	< 3 U
Tetrachloroethene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 110 U	**810**	< 1.6 U	< 1.5 U
Toluene	--	--	µg/kg		na	na	< 3.6 U	**34 J**	**26 J**	**17 J**	na	**380**	**8,800**	**1.1 J**	< 3 U
Total Xylenes	--	--	µg/kg		na	na	< 3.6 U	**12,200 J**	**72 J**	**58 J**	na	**660**	**7,500**	**24**	**0.89 J**
trans-1,2-Dichloroethene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	< 1.6 U	< 1.5 U
trans-1,3-Dichloropropene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 UJ	na	< 89 U	< 110 U	< 1.6 U	< 1.5 U
trans-1,4-Dichloro-2-butene	--	--	µg/kg		na	na	< 9 UJ	< 880 UJ	< 13 UJ	< 7.1 UJ	na	< 1,100 U	< 1,300 U	< 8.1 U	< 7.5 U
Trichloroethene	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 89 U	**570**	< 1.6 U	< 1.5 U

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID	DS-CB-H1	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08
				Collection Date	12/16/2014	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 220 U	< 270 U	**0.59 J**	< 1.5 U
Vinyl Acetate	--	--	µg/kg		na	na	< 9.0 U	< 7.7 UJ	< 13 UJ	< 7.1 U	na	< 1,100 U	< 1,300 U	< 8.1 U	< 7.5 U
Vinyl Chloride	--	--	µg/kg		na	na	< 1.8 U	< 1.5 UJ	< 2.6 UJ	< 1.4 U	na	< 89 U	< 110 U	< 1.6 U	< 1.5 U
TPH (mg/kg)															
Gasoline-Range Hydrocarbons	30/100	--	mg/kg		**7.6 J**	< 4.2 U	< 0.1 U	**330**	**31**	**11 J**	na	**480**	**340**	**33**	< 4.9 U
Diesel-Range Hydrocarbons	2,000	--	mg/kg		**1,400 J**	**220 J**	**950 J**	**1,300 J**	**1,700 J**	**4,300 J**	**5,900 J**	**5,300**	**6,600**	**1,300 J**	**930 J**
Motor Oil-Range Hydrocarbons	2,000	--	mg/kg		**4,900 J**	**1,400 J**	**1,400 J**	**6,000 J**	**8,900 J**	**5,800 J**	**15,000 J**	**14,000**	**16,000**	**6,400 J**	**2,700 J**
Grain size (%)															
Clay	--	--	%		2.2	1.5	1.0	1.8	1.5	1.5	1.8	1.3	4.1	17	42
Silt	--	--	%		48	22	20	33	53	39	69	45	44	23	54
Sand	--	--	%		42	66	62	65	45	59	26	48	49	52	3.5
Gravel	--	--	%		8.4	10	17	0.40	0.85	0.29	3.5	6.5	2.9	8.5	0.50
Cobbles	--	--	%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conventionals (%)															
Total Organic Carbon	--	--	%		13	3.1	6.4	5 J	14	8.4	21	11	23	1.5	1.9
Total Solids	--	--	%		30.6	55.2	63.9	66.7	47.2	53.7	30.0	44.7	34.4	56.2	49.5

a - LDW RALs are presented for cPAHs and dioxin/furan TEQs. MTCA Method A cleanup levels for soil are presented for TPH.

b - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Petroleum hydrocarbon results are compared to MTCA Method A cleanup levels. Two cleanup levels are available for TPH-Gasoline under MTCA Method A. The more stringent value (30 mg/kg) is applied for facilities where benzene has been detected.

Results in **bold** are detections.

Results shaded in gray exceed one or more criteria.

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID / Collection Date: UG-FD-01 9/11/2014	UG-MH-60 9/11/2014	UG-MH-76 9/11/2014	WM-CB-03 1/22/2015	WM-FD-02 1/22/2015	WM-CB-21 2/3/2015	WM-CB-52 2/3/2015	WM-MH-61 2/3/2015
Metals (Total) (mg/kg)											
Antimony	--	--	mg/kg	**220**	**220**	**29**	**14**	**16**	**13**	**7.3**	**8.6**
Arsenic	57	93	mg/kg	**16**	**17**	**6.6**	**10**	**12**	**34**	**28**	**11**
Beryllium	--	--	mg/kg	**0.28 J**	**0.29 J**	**0.22 J**	**0.26 J**	**0.31 J**	**0.35 J**	**0.34 J**	**0.23 J**
Cadmium	5.1	6.7	mg/kg	**4.8**	**5.5**	**1.0**	**1.7**	**2.0**	**2.2**	**4.2**	**1.0**
Chromium	260	270	mg/kg	**78**	**80**	**28**	**79 J**	**85 J**	**180**	**160**	**51**
Copper	390	390	mg/kg	**170**	**180**	**41**	**250**	**300**	**320**	**290**	**97**
Lead	450	530	mg/kg	**350**	**340**	**43**	**230**	**250**	**160**	**200**	**170**
Mercury	0.41	0.59	mg/kg	**0.42**	**0.37**	**0.073**	**0.68**	**1.1**	**0.13**	**0.098**	**0.10**
Nickel	--	--	mg/kg	**41**	**43**	**20**	**52 J**	**68 J**	**110**	**99**	**31**
Selenium	--	--	mg/kg	**0.63 J**	**0.67 J**	< 1.0 U	**0.83 J**	**0.9 J**	**1.3 J**	**1.2 J**	**0.8 J**
Silver	6.1	6.1	mg/kg	**0.82**	**0.60**	**0.12 J**	**0.94**	**1.1**	**0.34 J**	**0.32 J**	**0.19 J**
Thallium	--	--	mg/kg	< 1.1 U	< 0.99 U	< 0.75 U	< 0.93 U	< 1.2 U	< 1.0 U	< 0.71 U	< 0.6 U
Zinc	410	960	mg/kg	**1,300**	**1,200**	**310**	**1,800**	**1,900**	**1,500**	**1,800**	**630**
PCB Aroclors (µg/kg)											
Aroclor 1016	--	--	µg/kg	**77**	**110 J**	< 15 U	< 29 UJ	< 31 U	< 26 U	< 21 U	< 19 U
Aroclor 1221	--	--	µg/kg	< 28 U	< 27 UJ	< 16 U	< 32 UJ	< 34 U	< 28 U	< 23 U	< 21 U
Aroclor 1232	--	--	µg/kg	< 28 U	< 27 UJ	< 16 U	< 32 UJ	< 34 U	< 28 U	< 23 U	< 21 U
Aroclor 1242	--	--	µg/kg	< 25 U	< 25 UJ	< 15 U	< 29 UJ	< 31 U	< 26 U	< 21 U	< 19 U
Aroclor 1248	--	--	µg/kg	< 25 U	< 25 UJ	< 15 U	< 29 UJ	< 31 U	< 26 U	< 21 U	< 19 U
Aroclor 1254	--	--	µg/kg	< 25 U	< 25 UJ	< 15 U	< 29 UJ	< 31 U	**150**	**17**	**360**
Aroclor 1260	--	--	µg/kg	**130**	**150 J**	**28**	**76 J**	< 31 U	< 26 U	< 21 U	< 19 U
Total PCB Aroclors	130	1,000	µg/kg	**210**	**260**	**28**	**76 J**	< 34 U	**150**	**170**	**360**
PCB Congeners (ug/kg) [b]											
Total PCB Congeners	130	1,000	µg/kg	**697 J**	**922 J**	**67 J**	**408 J**	**484 J**	**292 J**	**320 J**	**2,430 J**
PCB TEQ, nd SDL*0	--	--	µg/kg	**0.032**	**0.044**	**0.048 J**	**0.024**	**0.030 J**	**0.015 J**	**0.018 J**	**0.075**
PCB TEQ, nd SDL*0.5	--	--	µg/kg	**0.032**	**0.044**	**0.049 J**	**0.026**	**0.034 J**	**0.015 J**	**0.020 J**	**0.075**
PCB TEQ, nd SDL*1	--	--	µg/kg	**0.032**	**0.044**	**0.048 J**	**0.027**	**0.038 J**	**0.016 J**	**0.022 J**	**0.076**
Dioxins and Furans (ng/kg)											
2,3,7,8-TCDD	--	--	ng/kg	**1.72**	**1.74**	< 0.24 U*	**1.36**	**1.36**	< 0.375 U*	< 1.06 U*	< 0.852 U*
1,2,3,7,8-PeCDD	--	--	ng/kg	**7.31**	**7.06**	**1.15 J**	**5.46**	**5.53**	**2.78**	**7.87**	**5.05**
1,2,3,4,7,8-HxCDD	--	--	ng/kg	**11.7**	**12.1**	**1.75 J**	**9.93**	**10.3**	**7.45**	**10.2**	**9.96**
1,2,3,6,7,8-HxCDD	--	--	ng/kg	**38.5**	**35.1**	**6.56**	**37.5**	**39.1**	**21.5**	**99.3**	**31.6**
1,2,3,7,8,9-HxCDD	--	--	ng/kg	**25**	**24.5**	**3.58**	**23.3**	**24.6**	**9.71**	**41.6**	**16.7**
1,2,3,4,6,7,8-HpCDD	--	--	ng/kg	**812**	**767**	**125**	**1,120**	**1,120**	**861**	**895**	**900**
OCDD	--	--	ng/kg	**7,300 J**	**6,770 J**	**1,040**	**12,300 J**	**11,800 J**	**6,520 J**	**5,120**	**8,760 J**
2,3,7,8-TCDF	--	--	ng/kg	**5.52**	**5.59**	**0.852**	**3.31**	**3.43**	**1.42**	**3.97**	**6.63**
1,2,3,7,8-PeCDF	--	--	ng/kg	**4.43**	**4.52**	**0.717 J**	**2.68**	**2.78**	**1.5 J**	**3.78**	**4.66**
2,3,4,7,8-PeCDF	--	--	ng/kg	**7.5**	**8.85**	**1.25 J**	**3.49**	**4.17**	**2.16 J**	**4.53**	**8.22**
1,2,3,4,7,8-HxCDF	--	--	ng/kg	**14**	**13.6**	**2.91**	**11.1**	**11.6**	**4.35**	**8.43**	**14**
1,2,3,6,7,8-HxCDF	--	--	ng/kg	**11.4**	**11.2**	**1.65 J**	**8.96**	**8.94**	**4.12**	**8.77**	**9.29**
1,2,3,7,8,9-HxCDF	--	--	ng/kg	**2.06 J**	**1.24 J**	**0.538 J**	**2.67**	**2.62**	**0.745 J**	**0.872 J**	**0.577 J**
2,3,4,6,7,8-HxCDF	--	--	ng/kg	**14.7**	**14.8**	**2.32 J**	**10.7**	**11.2**	**6.07**	**12.5**	**12.3**
1,2,3,4,6,7,8-HpCDF	--	--	ng/kg	**203**	**195**	**29.6**	**204**	**209**	**68.3**	**110**	**189**
1,2,3,4,7,8,9-HpCDF	--	--	ng/kg	**10.5**	**10.5**	**1.86 J**	**11**	**11.7**	**4.55**	**7.65**	**11.7**
OCDF	--	--	ng/kg	**475**	**438**	**72.9**	**456**	**474**	**146**	**180**	**771**
Dioxin/Furan TEQ, nd SDL*0	25	--	ng/kg	**36.3 J**	**35.3 J**	**5.46 J**	**35.9 J**	**36.5 J**	**20.3 J**	**39.6 J**	**31.6 J**
Dioxin/Furan TEQ, nd SDL*0.5	25	--	ng/kg	**36.3 J**	**35.3 J**	**5.58 J**	**35.9 J**	**36.5 J**	**20.5 J**	**40.2 J**	**32.1 J**
Dioxin/Furan TEQ, nd SDL*1	25	--	ng/kg	**36.3 J**	**35.3 J**	**5.70 J**	**35.9 J**	**36.5 J**	**20.7 J**	**40.7 J**	**32.5 J**

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID / Collection Date: UG-FD-01 9/11/2014	UG-MH-60 9/11/2014	UG-MH-76 9/11/2014	WM-CB-03 1/22/2015	WM-FD-02 1/22/2015	WM-CB-21 2/3/2015	WM-CB-52 2/3/2015	WM-MH-61 2/3/2015
Total TCDD	--	--	ng/kg	38.4 J	38.1	5.34 J	21.7 J	22.8 J	8.3 J	33.3 J	19.1 J
Total TCDF	--	--	ng/kg	134 J	138 J	19.6 J	68.5 J	70.8	37.8 J	109 J	118 J
Total PeCDD	--	--	ng/kg	74.2	70.7	10.9	49.2	50.4	32	85.7	51.7
Total PeCDF	--	--	ng/kg	185 J	196 J	25.6	101 J	107	54.3 J	121	127
Total HxCDD	--	--	ng/kg	308	292	47	306	305	505	880	414
Total HxCDF	--	--	ng/kg	279	280	44.8	230	238	115	196	259
Total HpCDD	--	--	ng/kg	1520	1,500	244	2,250	2,220	3,860	2,470	3,090
Total HpCDF	--	--	ng/kg	479	460	73.2	535 J	549	183	271	706
PAHs (µg/kg)											
1-Methylnaphthalene	--	--	µg/kg	68 J	< 380 U	15 J	750	910	49 J	150	190
2-Chloronaphthalene	--	--	µg/kg	< 250 U	< 250 U	< 16 U	< 29 U	< 32 U	< 53 UJ	< 43 UJ	< 38 UJ
2-Methylnaphthalene	670	1,400	µg/kg	160 J	140 J	30	1,200	1,500	60	220	280
Acenaphthene	500	730	µg/kg	130 J	< 250 U	16	120	110	100 J	76 J	260 J
Acenaphthylene	1,300	1,300	µg/kg	78 J	< 250 U	12 J	72	110	54 J	54 J	47 J
Anthracene	960	4,400	µg/kg	220 J	230 J	41	180	200	390	240	530
Benzo(a)anthracene	1,300	1,600	µg/kg	510	630	180	420	530	530	410	820
Benzo(a)pyrene	1,600	3,000	µg/kg	630	720	240	390	390	390	350	530
Benzo(g,h,i)perylene	670	720	µg/kg	610	770	160	300	290	190	170	210
Chrysene	1,400	2,800	µg/kg	1,200 J	1,400 J	300 J	1,100	1,400	1,600	1,400	1,300
Dibenz(a,h)anthracene	230	540	µg/kg	91 J	< 500 U	21 J	< 59 U	< 65 U	< 110 U	80 J	100
Dibenzofuran	540	700	µg/kg	< 1,300 U	< 1,300 U	17 J	120 J	< 160 U	140 J	100 J	220 J
Fluoranthene	1,700	2,500	µg/kg	1,800	2,000	520	1,600	1,900	3,900	2,100	3,100
Fluorene	540	1,000	µg/kg	350	340	40	360	390	250	270	400
Indeno(1,2,3-cd)pyrene	600	690	µg/kg	440 J	600	120	170	180	220	160	300
Naphthalene	2,100	2,400	µg/kg	170 J	170 J	18	280	320	62	110	210
Phenanthrene	1,500	5,400	µg/kg	750	750	230	1,400	1,600	2,400	1,400	2,700
Pyrene	2,600	3,300	µg/kg	2,200	2,500	550	1,900	2,200	2,900	2,300	2,400
Total Benzofluoranthenes	3,200	3,600	µg/kg	1,700	1,900	520	980	1,200	1,400	1,200	1,300
Total HPAHs	12,000	17,000	µg/kg	9,200 J	11,000 J	2,600 J	6,900	8,100	11,000	8,200 J	10,000
Total LPAHs	5,200	13,000	µg/kg	1,700 J	1,500 J	360 J	2,400	2,700	3,000 J	2,200 J	4,200 J
cPAHs, nd RL*0	1,000	--	µg/kg	920 J	1,100 J	330 J	560	590	620	550 J	800
cPAHs, nd RL*0.5	1,000	--	µg/kg	920 J	1,100 J	330 J	560	600	630	550 J	800
cPAHs, nd RL*1	1,000	--	µg/kg	920 J	1,100 J	330 J	560	600	630	550 J	800
Phthalates (µg/kg)											
bis(2-Ethylhexyl)phthalate	1,300	1,900	µg/kg	11,000	12,000	1,900	31,000	42,000	31,000	61,000	34,000
Butylbenzylphthalate	63	900	µg/kg	< 2,500 U	< 2,500 U	90 J	5,900	8,300	1,700	< 850 U	< 1000 U
Di-n-Butylphthalate	1,400	5,100	µg/kg	< 6,300 U	< 6,300 U	< 390 U	280 J	400 J	< 1,300 U	< 1,100 U	< 950 U
Diethylphthalate	200	1,200	µg/kg	< 2,500 U	230 J	< 160 U	< 290 U	< 320 U	1,700	1,400	< 390 U
Dimethylphthalate	71	160	µg/kg	900 J	< 1,300 U	300	330	340	130 J	91 J	45 J
Di-n-Octyl phthalate	6,200	--	µg/kg	1,000 J	1,100 J	250 J	700 J	1,300	1,900	1,900	1,700
Phenols (µg/kg)											
2,4,5-Trichlorophenol	--	--	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
2,4,6-Trichlorophenol	--	--	µg/kg	< 1,900 U	< 1,900 U	< 120 U	< 220 U	< 240 U	< 400 U	< 320 U	< 280 U
2,4-Dichlorophenol	--	--	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
2,4-Dimethylphenol	29	29	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
2,4-Dinitrophenol	--	--	µg/kg	< 13,000 U	< 13,000 U	< 780 U	< 1500 U	< 1600 U	< 2,600 U	< 2,100 U	< 1,900 U
2-Chlorophenol	--	--	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
2-Methylphenol	63	63	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
2-Nitrophenol	--	--	µg/kg	< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID / Collection Date	UG-FD-01 9/11/2014	UG-MH-60 9/11/2014	UG-MH-76 9/11/2014	WM-CB-03 1/22/2015	WM-FD-02 1/22/2015	WM-CB-21 2/3/2015	WM-CB-52 2/3/2015	WM-MH-61 2/3/2015
					Result	Result	Result	Result	Result	Result	Result	Result
4,6-Dinitro-2-Methylphenol	--	--	µg/kg		< 13,000 U	< 13,000 U	< 780 U	< 1,500 U	< 1,600 U	< 2,600 U	< 2,100 U	< 1,900 U
4-Chloro-3-methylphenol	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
4-Methylphenol	670	670	µg/kg		< 2,500 U	< 2,500 U	**12 J**	**330**	**360**	**500 J**	**320 J**	**640**
4-Nitrophenol	--	--	µg/kg		< 13,000 U	< 13,000 U	< 780 U	< 1,500 U	< 1,600 U	< 2,600 U	< 2,100 U	< 1,900 U
Pentachlorophenol	360	690	µg/kg		< 2,500 U	< 2,500 U	< 160 U	**130 J**	< 320 U	< 530 U	< 430 U	180 J
Phenol	420	1,200	µg/kg		**260 J**	< 1,300 U	< 78 U	**120 J**	**98 J**	**130 J**	**170 J**	**170 J**
Other SVOCs (µg/kg)												
1,2,4-Trichlorobenzene	31	51	µg/kg		< 630 U	< 630 U	< 39 U	< 73 U	< 81 U	< 130 UJ	< 110 UJ	< 95 UJ
1,2-Dichlorobenzene	35	50	µg/kg		< 700 U	< 690 U	< 43 U	< 81 U	< 89 U	< 150 U	< 120 U	< 100 U
1,3-Dichlorobenzene	--	--	µg/kg		< 630 U	< 630 U	< 39 U	< 73 U	< 81 U	< 130 U	< 110 U	< 95 U
1,4-Dichlorobenzene	110	120	µg/kg		< 630 U	< 630 U	< 39 U	**44 J**	**66 J**	< 130 U	< 110 U	< 95 U
2,4-Dinitrotoluene	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
2,6-Dinitrotoluene	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
2-Nitroaniline	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
3,3'-Dichlorobenzidine	--	--	µg/kg		< 2,500 U	< 2,500 U	< 160 U	< 290 U	< 320 U	< 530 U	< 430 U	< 380 U
3-Nitroaniline	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
4-Bromophenyl-phenylether	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	**32 J**	< 260 U	< 210 U	< 190 U
4-Chloroaniline	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
4-Chlorophenyl-phenylether	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
4-Nitroaniline	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
Benzoic Acid	650	650	µg/kg		< 32,000 U	< 32,000 U	< 1,900 U	< 3,700 U	< 4,100 U	< 6,600 U	< 5,400 U	< 4,700 U
Benzyl Alcohol	57	73	µg/kg		< 1,300 U	< 1,300 U	< 78 U	**7,000**	**810**	**150 J**	< 210 U	**450**
2,2'-Oxybis(1-Chloropropane)	--	--	µg/kg		< 3,200 U	< 3,200 U	< 190 U	< 370 U	< 410 U	< 660 U	< 540 U	< 470 U
bis(2-Chloroethoxy) Methane	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
Bis-(2-Chloroethyl) Ether	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
Carbazole	--	--	µg/kg		**250 J**	**270 J**	**35 J**	**180**	**160**	**260**	**180 J**	**330**
Hexachlorobenzene	22	70	µg/kg		< 630 U	< 630 U	< 39 U	< 73 U	< 81 U	< 130 U	< 110 U	< 95 U
Hexachlorobutadiene	11	120	µg/kg		< 630 U	< 630 U	< 39 U	< 73 U	< 81 U	< 130 UJ	< 110 UJ	< 95 UJ
Hexachlorocyclopentadiene	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 U	< 210 U	< 190 U
Hexachloroethane	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
Isophorone	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
Nitrobenzene	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	< 260 UJ	< 210 UJ	< 190 UJ
N-Nitrosodimethylamine	--	--	µg/kg		< 13,000 U	< 13,000 U	< 780 U	< 1,500 U	< 1,600 U	< 2,600 U	< 2,100 U	< 1,900 U
N-Nitroso-Di-N-Propylamine	--	--	µg/kg		< 1,300 U	< 1,300 U	< 78 U	< 150 U	< 160 U	170 J	< 210 U	< 190 U
N-Nitrosodiphenylamine	28	40	µg/kg		**1,200**	**1,300**	**27 J**	**430**	**410**	**110 J**	< 110 U	< 95 U
VOCs (µg/kg)												
1,1,1,2-Tetrachloroethane	--	--	µg/kg		< 3.7 U	< 4.9 UJ	< 2.2 U	< 390 U	< 860 U	na	< 4.0 UJ	na
1,1,1-Trichloroethane	--	--	µg/kg		< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na
1,1,2,2-Tetrachloroethane	--	--	µg/kg		< 7.4 U	< 9.8 UJ	< 4.5 U	< 97 U	< 220 U	na	< 8.0 UJ	na
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	µg/kg		< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na
1,1,2-Trichloroethane	--	--	µg/kg		< 7.4 U	< 9.8 UJ	< 4.5 U	< 120 U	< 260 U	na	< 8.0 UJ	na
1,1-Dichloroethane	--	--	µg/kg		< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na
1,1-Dichloroethene	--	--	µg/kg		< 18 U	< 24 U	< 11 U	< 16 U	< 20 U	na	< 20 UJ	na
1,1-Dichloropropene	--	--	µg/kg		< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na
1,2,3-Trichlorobenzene	--	--	µg/kg		< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 390 U	< 860 U	na	< 8.0 UJ	na
1,2,3-Trichloropropane	--	--	µg/kg		< 3.7 UJ	< 4.9 UJ	< 2.2 UJ	< 390 U	< 860 U	na	< 4.0 UJ	na
1,2,4-Trimethylbenzene	--	--	µg/kg		< 7.4 UJ	< 9.8 UJ	**2.1 J**	**7,000**	**18,000**	na	**200 J**	na
1,2-Dibromo-3-chloropropane	--	--	µg/kg		< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 1,900 U	< 4,300 U	na	< 8.0 UJ	na
1,2-Dibromoethane	--	--	µg/kg		< 3.7 U	< 4.9 UJ	< 2.2 U	< 160 U	< 340 U	na	< 4.0 UJ	na
1,2-Dichloroethane	--	--	µg/kg		< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Location ID				UG-FD-01	UG-MH-60	UG-MH-76	WM-CB-03	WM-FD-02	WM-CB-21	WM-CB-52	WM-MH-61
Collection Date				9/11/2014	9/11/2014	9/11/2014	1/22/2015	1/22/2015	2/3/2015	2/3/2015	2/3/2015
Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4.0 UJ	na
1,3,5-Trimethylbenzene	--	--	µg/kg	< 18 UJ	< 24 UJ	< 11 UJ	**2,400**	**6,300**	na	**120 J**	na
1,3-Dichloropropane	--	--	µg/kg	< 7.4 U	< 9.8 UJ	< 4.5 U	< 390 U	< 860 U	na	< 8.0 UJ	na
2,2-Dichloropropane	--	--	µg/kg	< 18 U	< 24 U	< 11 U	< 16 U	< 20 U	na	< 20 UJ	na
2-Chloroethylvinylether	--	--	µg/kg	< 18 U	< 24 UJ	< 11 U	< 1,900 U	< 4,300 U	na	< 20 UJ	na
2-Chlorotoluene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 390 U	< 860 U	na	< 8.0 UJ	na
2-Hexanone	--	--	µg/kg	< 18 U	< 24 UJ	< 11 U	< 1,900 U	< 4,300 U	na	< 20 UJ	na
4-Chlorotoluene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 390 U	< 860 U	na	< 8.0 UJ	na
Acetone	--	--	µg/kg	**650 J**	**1,100 J**	**210 J**	**1,200 J**	**1,700**	na	**650 J**	na
Acrolein	--	--	µg/kg	< 110 U	< 150 U	< 67 U	< 93 U	< 120 U	na	< 120 UJ	na
Acrylonitrile	--	--	µg/kg	< 37 U	< 49 U	< 22 U	< 31 U	< 40 U	na	< 40 UJ	na
Benzene	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	**6.4 J**	**9.0**	na	**2.1 J**	na
Bromobenzene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 390 U	< 860 U	na	< 8 UJ	na
Bromochloromethane	--	--	µg/kg	< 7.4 U	< 9.8 U	< 4.5 U	< 6.2 U	< 8 U	na	< 8 UJ	na
Bromoform	--	--	µg/kg	< 3.7 UJ	< 4.9 UJ	< 2.2 UJ	< 390 U	< 860 U	na	< 4 UJ	na
Bromomethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Carbon Disulfide	--	--	µg/kg	**4.8 J**	**10 J**	**2.0 J**	**19 J**	**30**	na	**15 J**	na
Carbon Tetrachloride	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Chlorobenzene	--	--	µg/kg	< 3.7 U	< 4.9 UJ	< 2.2 U	< 390 U	< 860 U	na	< 4 UJ	na
Dibromochloromethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Chloroethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Chloroform	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Chloromethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
cis-1,2-Dichloroethene	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
cis-1,3-Dichloropropene	--	--	µg/kg	< 3.7 U	< 4.9 UJ	< 2.2 U	< 160 U	< 340 U	na	< 4 UJ	na
Dibromomethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Bromodichloromethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Dichlorodifluoromethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Ethylbenzene	--	--	µg/kg	**5.0 J**	**3.0 J**	**3.8 J**	**750**	**1,600**	na	**12 J**	na
Isopropylbenzene	--	--	µg/kg	**4.5 J**	< 9.8 UJ	< 4.5 U	**240 J**	**600 J**	na	**8.7 J**	na
m,p-Xylene	--	--	µg/kg	**5.8 J**	**8.0 J**	**1.9 J**	**2,100**	**4,300**	na	**43 J**	na
2-Butanone	--	--	µg/kg	**160 J**	**120 J**	**36 J**	**400 J**	**540**	na	< 40 UJ	na
Iodomethane	--	--	µg/kg	< 55 U	< 73 U	< 34 U	< 47 U	< 60 U	na	< 60 UJ	na
4-Methyl-2-Pentanone (MIBK)	--	--	µg/kg	**23 J**	**52 J**	**11 J**	**270 J**	**690 J**	na	**22 J**	na
Methyl tert-Butyl Ether	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Methylene Chloride	--	--	µg/kg	< 55 U	< 73 U	< 34 U	< 47 U	< 60 U	na	< 60 UJ	na
n-Butylbenzene	--	--	µg/kg	< 7.4 UJ	**27 J**	< 4.5 UJ	**1,900**	**5,300**	na	< 8 UJ	na
n-Propylbenzene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	**770**	**2,000**	na	< 8 UJ	na
o-Xylene	--	--	µg/kg	< 7.4 U	< 9.8 UJ	< 4.5 U	**1,100**	**2,100**	na	**50 J**	na
4-Isopropyltoluene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	**2.5 J**	**600**	**1,400**	na	**130 J**	na
sec-Butylbenzene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	**2.7 J**	**410**	**1,100**	na	**8 J**	na
Styrene	--	--	µg/kg	< 7.4 U	< 9.8 UJ	< 4.5 U	300 J	**390 J**	na	< 8 UJ	na
tert-Butylbenzene	--	--	µg/kg	< 7.4 UJ	< 9.8 UJ	< 4.5 UJ	< 390 U	< 860 U	na	< 8 UJ	na
Tetrachloroethene	--	--	µg/kg	< 3.7 U	< 4.9 UJ	< 2.2 U	**33 J**	< 430 U	na	< 4 UJ	na
Toluene	--	--	µg/kg	**4.6 J**	**3.7 J**	**1.2 J**	**5,200**	**11,000**	na	**19 J**	na
Total Xylenes	--	--	µg/kg	**5.8 J**	**8 J**	< 4.5 U	**3,200**	**6,400**	na	93 J	na
trans-1,2-Dichloroethene	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
trans-1,3-Dichloropropene	--	--	µg/kg	< 3.7 U	< 4.9 UJ	< 2.2 U	< 160 U	< 340 U	na	< 4 UJ	na
trans-1,4-Dichloro-2-butene	--	--	µg/kg	< 18 UJ	< 24 UJ	< 11 UJ	< 1,900 U	< 4,300 U	na	< 20 UJ	na
Trichloroethene	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na

Table 9. Solids Sample Results
NPDES Inspection Sampling Support

Analyte	SMS Criteria SCO/ LAET[a]	SMS Criteria CSL/ 2LAET	Unit	Location ID / Collection Date UG-FD-01 9/11/2014	UG-MH-60 9/11/2014	UG-MH-76 9/11/2014	WM-CB-03 1/22/2015	WM-FD-02 1/22/2015	WM-CB-21 2/3/2015	WM-CB-52 2/3/2015	WM-MH-61 2/3/2015
Trichlorofluoromethane	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	< 3.1 U	< 4 U	na	< 4 UJ	na
Vinyl Acetate	--	--	µg/kg	< 18 U	< 24 U	< 11 U	< 16 U	< 24 U	na	< 20 UJ	na
Vinyl Chloride	--	--	µg/kg	< 3.7 U	< 4.9 U	< 2.2 U	**8.4 J**	**12**	na	< 4 UJ	na
TPH (mg/kg)											
Gasoline-Range Hydrocarbons	30/100	--	mg/kg	**1,800 J**	**490**	**94**	**300**	**510**	na	**56**	na
Diesel-Range Hydrocarbons	2,000	--	mg/kg	**4,600 J**	**5,200 J**	**510 J**	**6,100 J**	**5,800 J**	**2,100 J**	**3,600 J**	**1,100 J**
Motor Oil-Range Hydrocarbons	2,000	--	mg/kg	**17,000 J**	**19,000 J**	**2,800**	**33,000 J**	**32,000 J**	**14,000 J**	**20,000 J**	**5,900 J**
Grain size (%)											
Clay	--	--	%	1.5	2.0	1.9	6.2	6.4	3.0	3.5	1.7
Silt	--	--	%	42	53	17	46	52	43	60	33
Sand	--	--	%	52	41	76	44	39	50	35	61
Gravel	--	--	%	4.6	4.1	5.4	3.9	3.1	4.3	1.5	4.5
Cobbles	--	--	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conventionals (%)											
Total Organic Carbon	--	--	%	15	15	2.3	22	21	14	14	8.2
Total Solids	--	--	%	38.5	39.2	63.8	33.2	30.1	37.9	45.9	52.2

a - LDW RALs are presented for cPAHs and dioxin/furan TEQs. MTCA Method A cleanup levels for soil are presented for TPH.

b - Total PCB congeners and PCB/dioxin/furan TEQs include only congeners that met identification criteria as required by EPA Method1668C (PCBs) or EPA Method 1613B (dioxins/furans).

PCB and dioxin/furan congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Petroleum hydrocarbon results are compared to MTCA Method A cleanup levels. Two cleanup levels are available for TPH-Gasoline under MTCA Method A. The more stringent value (30 mg/kg) is applied for facilities where benzene has been detected.

Results in **bold** are detections.

Results shaded in gray exceed one or more criteria.

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	AS-CB-02		AS-CB-05		AS-CB-UNK		BD-MH-9.66		BD-MH-10.9		BD-MH-13.43		BD-OWS-15		CC-A-01		CC-CB-04	
Collection Date	1/20/2015		1/20/2015		1/20/2015		12/3/2014		12/3/2014		12/2/2014		12/3/2014		10/13/2014		10/13/2014	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Metals (Total)																		
Arsenic															3.0	1.8		
Cadmium									1.4	1.1								
Chromium															15	14	33	32
Copper															1.4	1.4	1.1	1.1
Lead																		
Mercury	1.2		1.0						1.5	1.0								
Silver									16	16								
Zinc	1.2		1.3		1.0		2.1		3.9	1.7	2.1		2.1		3.2	1.4	2.3	
PCBs																		
Total PCB Aroclors	1.1						8.5	1.1	5.0		15	2.0			12	1.6	3.3	
Total PCB Congeners	5.4		3.6		3.3		13	1.7	88	11.5	6.9		3.2		8.8	1.2	11	1.4
Dioxins and Furans																		
Dioxin/Furan TEQ, nd SDL*0			1.1						3.7		4.0		5.2					
Dioxin/Furan TEQ, nd SDL*0.5			1.1						3.7		4.4		5.2					
Dioxin/Furan TEQ, nd SDL*1			1.2						3.7		4.4		5.2					
PAHs																		
2-Methylnaphthalene																		
Acenaphthene									4.4	3.0	22	15	9.0	6.2				
Anthracene									4.8	1.0	41	8.9	8.8	1.9				
Benzo(a)anthracene									12	10	177	144	25	20				
Benzo(a)pyrene									13	6.7	138	73	25	13				
Benzo(g,h,i)perylene									11	11	127	118	24	22				
Chrysene									17	8.6	214	107	35	18				
Dibenz(a,h)anthracene									9.1	3.9	117	50	20	8.7				
Dibenzofuran									3.0	2.3	14	11	7.0	5.4				
Fluoranthene							1.3		33	22	376	256	65	44				
Fluorene									4.6	2.5	26	14	9.1	4.9				
Indeno(1,2,3-cd)pyrene									17	14	200	174	37	32				
Phenanthrene									27	7.4	207	57	53	15				
Pyrene									17	13	192	152	33	26				
Total Benzofluoranthenes									14	13	178	158	29	26				
Total HPAHs									18	13	225	159	38	26				
Total LPAHs									9.4	3.8	73	29	19	7.5				
cPAHs, nd RL*0							1.5		28		318		56					
cPAHs, nd RL*0.5							1.5		28		318		56					
cPAHs, nd RL*1							1.5		28		318		56					
Phthalates																		
bis(2-Ethylhexyl)phthalate	10	6.8	32	22	2.5	1.7	1.5		2.2	1.5	12	7.9	7.7	5.3	12	8.4	7.3	5.0
Butylbenzylphthalate	14	1.0					2.9								12		6.7	
Di-n-Butylphthalate																		
Diethylphthalate																		
Dimethylphthalate	1.3										3.2	1.4	6.6	2.9	4.1	1.8	2.1	
Phenols																		
4-Methylphenol	6.6	6.6			1.3	1.3												
Pentachlorophenol																		
Phenol																		

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	AS-CB-02		AS-CB-05		AS-CB-UNK		BD-MH-9.66		BD-MH-10.9		BD-MH-13.43		BD-OWS-15		CC-A-01		CC-CB-04	
Collection Date	1/20/2015		1/20/2015		1/20/2015		12/3/2014		12/3/2014		12/2/2014		12/3/2014		10/13/2014		10/13/2014	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Other SVOCs																		
Benzoic Acid																		
Benzyl Alcohol																		
N-Nitrosodiphenylamine	6.8	4.8	1.8	1.3	1.9	1.3												
TPH																		
Gasoline-Range Hydrocarbons	3.1				2.9													
Diesel-Range Hydrocarbons											2.1		1.1		1.3			
Motor Oil-Range Hydrocarbons	2.6		4.3		1.4				3.3		5.0		3.6		5.0		2.7	

Exceedance factors are presented for detected concentrations that exceed the SMS/AET criteria, LDW RALs (dioxins/furans and cPAHs), or MTCA Method A cleanup levels for soil (TPH).

The exceedance factors are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the identified criterion.

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	CC-CB-22		CS-CB-01		DS-CB-H1		DS-CB-I3		DS-TD-O1		PS-TS-01		SC-CB-24		SC-CB-35		SC-OWS-05	
Collection Date	10/13/2014		9/3/2014		12/16/2014		12/16/2014		12/16/2014		9/9/2014		12/11/2014		12/11/2014		12/11/2014	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Metals (Total)																		
Arsenic																		
Cadmium									1.4	1.1							1.1	
Chromium	1.5	1.4																
Copper	1.4	1.4											6.4	6.4	2.5	2.5	1.9	1.9
Lead									1.1									
Mercury																	2.7	1.9
Silver									1.2	1.2								
Zinc	2.7	1.1	2.7	1.1	1.3				10	4.4	63	27	3.9	1.7	6.6	2.8	4.9	2.1
PCBs																		
Total PCB Aroclors	7.7												4.4		4.0		27	
Total PCB Congeners	21	2.7	3.8		1.1								10154	1320	5.9		58	7.5
Dioxins and Furans																		
Dioxin/Furan TEQ, nd SDL*0					2.1				1.8				21		46		126	
Dioxin/Furan TEQ, nd SDL*0.5					2.1				1.8				21		46		126	
Dioxin/Furan TEQ, nd SDL*1					2.1				1.8				22		46		126	
PAHs																		
2-Methylnaphthalene																		
Acenaphthene					6.4	4.4												
Anthracene					5.1	1.1												
Benzo(a)anthracene					9.2	7.5							1.2				1.8	1.4
Benzo(a)pyrene					8.1	4.3											1.8	
Benzo(g,h,i)perylene					6.0	5.6							1.3	1.2	1.3	1.2	3.0	2.8
Chrysene					10	5.0							2.4	1.2	1.6		3.9	1.9
Dibenz(a,h)anthracene					6.1	2.6											2.2	
Dibenzofuran					2.6	2.0												
Fluoranthene					21	14							2.4	1.6	1.6	1.1	4.2	2.8
Fluorene					4.8	2.6												
Indeno(1,2,3-cd)pyrene					8.5	7.4							1.1	1.0	1.3	1.1	3.2	2.8
Phenanthrene					19	5.2							1.8		1.4		2.8	
Pyrene					12	9.1							1.7	1.3	1.1		2.8	2.2
Total Benzofluoranthenes					8.8	7.8							1.2	1.0	1.2	1.0	2.2	1.9
Total HPAHs					12	8.2							1.7	1.2	1.3		3.0	2.1
Total LPAHs					7.5	3.0											1.2	
cPAHs, nd RL*0					18				1.3				2.1		2.0		4.0	
cPAHs, nd RL*0.5					18				1.3				2.2		2.0		4.0	
cPAHs, nd RL*1					18				1.3				2.2		2.0		4.0	
Phthalates																		
bis(2-Ethylhexyl)phthalate	1.4		25	17					5.5	3.8	5.5	3.8	49	34	67	46	92	63
Butylbenzylphthalate	10		22	1.6					21	1.4	44	3.1			95	6.7	97	6.8
Di-n-Butylphthalate									4.6	1.3			25	6.9	1.4			
Diethylphthalate																		
Dimethylphthalate	1.2				5.5	2.4	3.7	1.6					17	7.5	2.5	1.1	5.9	2.6
Phenols																		
4-Methylphenol																	1.6	1.6
Pentachlorophenol													5.0	2.6	23	12	26	14
Phenol											1.4							

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	CC-CB-22		CS-CB-01		DS-CB-H1		DS-CB-I3		DS-TD-O1		PS-TS-01		SC-CB-24		SC-CB-35		SC-OWS-05	
Collection Date	10/13/2014		9/3/2014		12/16/2014		12/16/2014		12/16/2014		9/9/2014		12/11/2014		12/11/2014		12/11/2014	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Other SVOCs																		
Benzoic Acid																		
Benzyl Alcohol	3.2	2.5									23	18			807	630	25	19
N-Nitrosodiphenylamine													5.7	4.0				
TPH																		
Gasoline-Range Hydrocarbons											11		1.0					
Diesel-Range Hydrocarbons			3.4												2.2		3.0	
Motor Oil-Range Hydrocarbons			23		2.5						3.0		4.5		2.9		7.5	

Exceedance factors are presented for detected concentrations that exceed the SMS/AET criteria, LDW RALs (dioxins/furans and cPAHs), or MTCA Method A cleanup levels for soil (TPH).

The exceedance factors are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the identified criterion.

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	SP-CB-09		SP-OWS-01		ST-CB-04A		ST-CB-08		UG-FD-01		UG-MH-60		UG-MH-76		WM-CB-03		WM-FD-02	
Collection Date	10/8/2015		10/8/2014		2/10/2015		2/10/2015		9/11/2014		9/11/2014		9/11/2014		1/22/2015		1/22/2015	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Metals (Total)																		
Arsenic			1.2															
Cadmium	1.3		3.1	2														
Chromium			1.3	1														
Copper	4.6	4.6	36	36														
Lead			2.1	1.8														
Mercury			4.1	2.9					1.0						1.7	1.2	2.7	1.9
Silver																		
Zinc	14	5.8	7.1	3.0			1.0		3.2	1.4	2.9	1.3			4.4	1.9	4.6	2.0
PCBs																		
Total PCB Aroclors	4.2		32	4.1					1.6		2.0							
Total PCB Congeners	6.9		30	4.0	3.3		2.0		5.4		7.1				3.1		3.7	
Dioxins and Furans																		
Dioxin/Furan TEQ, nd SDL*0	2.4		36						1.5		1.4				1.4		1.5	
Dioxin/Furan TEQ, nd SDL*0.5	2.4		36						1.5		1.4				1.4		1.5	
Dioxin/Furan TEQ, nd SDL*1	2.4		36						1.5		1.4				1.4		1.5	
PAHs																		
2-Methylnaphthalene	6.9	3.3	7.0	3.4											1.8		2.2	
Acenaphthene																		
Anthracene					2.8													
Benzo(a)anthracene			2.6	2.1	1.2		1.2											
Benzo(a)pyrene			2.4	1.3														
Benzo(g,h,i)perylene			2.1	1.9							1.1	1.1						
Chrysene			4.2	2.1	1.6		1.7											
Dibenz(a,h)anthracene			1.9															
Dibenzofuran																		
Fluoranthene			7.1	4.8	3.5	2.4	1.3		1.1		1.2						1.1	
Fluorene			1.8		2.2	1.2												
Indeno(1,2,3-cd)pyrene			3.0	2.6														
Phenanthrene			4.2	1.2	3.6		1.3										1.1	
Pyrene			4.2	3.3	1.9	1.5	1.6	1.2										
Total Benzofluoranthenes			3.4	3.1														
Total HPAHs			4.2	2.9	1.6	1.1												
Total LPAHs			1.9		1.9													
cPAHs, nd RL*0			5.5		1.2		1.0				1.1							
cPAHs, nd RL*0.5			5.5		1.2		1.0				1.1							
cPAHs, nd RL*1			5.5		1.2		1.0				1.1							
Phthalates																		
bis(2-Ethylhexyl)phthalate	28	19	85	58	2.8	1.9	2.5	1.7	8.5	5.8	9.2	6.3	1.5		24	16	32	22
Butylbenzylphthalate	29	2.0	68	4.8									1.4		94	6.6	132	9.2
Di-n-Butylphthalate	2.6		4.7	1.3														
Diethylphthalate											1.2							
Dimethylphthalate	55	24	986	438					13	5.6			4.2	1.9	4.6	2.1	4.8	2.1
Phenols																		
4-Methylphenol			9.6	10														
Pentachlorophenol			4.2	2.2														
Phenol			5.2	1.8														

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	SP-CB-09		SP-OWS-01		ST-CB-04A		ST-CB-08		UG-FD-01		UG-MH-60		UG-MH-76		WM-CB-03		WM-FD-02	
Collection Date	10/8/2015		10/8/2014		2/10/2015		2/10/2015		9/11/2014		9/11/2014		9/11/2014		1/22/2015		1/22/2015	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Other SVOCs																		
Benzoic Acid			15	15														
Benzyl Alcohol	63	49	1105	863											123	96	14	11
N-Nitrosodiphenylamine					2.0	1.4	2.8	2.0	43	30	46	33			15	11	15	10
TPH																		
Gasoline-Range Hydrocarbons	4.8		3.4		1.1				18		4.9				10		17	
Diesel-Range Hydrocarbons	2.7		3.3						2.3		2.6				3.1		2.9	
Motor Oil-Range Hydrocarbons	7.0		8.0		3.2		1.4		8.5		9.5		1.4		17		16	

Exceedance factors are presented for detected concentrations that exceed the SMS/AET criteria, LDW RALs (dioxins/furans and cPAHs), or MTCA Method A cleanup levels for soil (TPH).

The exceedance factors are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the identified criterion.

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	WM-CB-21		WM-CB-52		WM-MH-61	
Collection Date	2/3/2015		2/3/2015		2/3/2015	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Metals (Total)						
Arsenic						
Cadmium						
Chromium						
Copper						
Lead						
Mercury						
Silver						
Zinc	3.7	1.6	4.4	1.9	1.5	
PCBs						
Total PCB Aroclors	1.2		1.3		2.8	
Total PCB Congeners	2.2		2.5		19	2.4
Dioxins and Furans						
Dioxin/Furan TEQ, nd SDL*0			1.6		1.3	
Dioxin/Furan TEQ, nd SDL*0.5			1.6		1.3	
Dioxin/Furan TEQ, nd SDL*1			1.6		1.3	
PAHs						
2-Methylnaphthalene						
Acenaphthene						
Anthracene						
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(g,h,i)perylene						
Chrysene	1.1					
Dibenz(a,h)anthracene						
Dibenzofuran						
Fluoranthene	2.3	1.6	1.2		1.8	1.2
Fluorene						
Indeno(1,2,3-cd)pyrene						
Phenanthrene	1.6				1.8	
Pyrene	1.1					
Total Benzofluoranthenes						
Total HPAHs						
Total LPAHs						
cPAHs, nd RL*0						
cPAHs, nd RL*0.5						
cPAHs, nd RL*1						
Phthalates						
bis(2-Ethylhexyl)phthalate	24	16	47	32	26	18
Butylbenzylphthalate	27	1.9				
Di-n-Butylphthalate						
Diethylphthalate	8.5	1.4	7.0	1.2		
Dimethylphthalate	1.8		1.3			
Phenols						
4-Methylphenol						
Pentachlorophenol						
Phenol						

Table 10. Solids Sample Results Compared to Dry Weight Criteria
NPDES Inspection Sampling Support

Location ID	WM-CB-21		WM-CB-52		WM-MH-61	
Collection Date	2/3/2015		2/3/2015		2/3/2015	
Analyte	Exceedance Factor		Exceedance Factor		Exceedance Factor	
	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET	SCO/ LAET	CSL/ 2LAET
Other SVOCs						
Benzoic Acid						
Benzyl Alcohol	2.6	2.1			7.9	6.2
N-Nitrosodiphenylamine	3.9	2.8				
TPH						
Gasoline-Range Hydrocarbons			1.9			
Diesel-Range Hydrocarbons	1.1		1.8			
Motor Oil-Range Hydrocarbons	7.0		10		3.0	

Exceedance factors are presented for detected concentrations that exceed the SMS/AET criteria, LDW RALs (dioxins/furans and cPAHs), or MTCA Method A cleanup levels for soil (TPH).

The exceedance factors are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the identified criterion.

Table 11. Solids Sample Results Compared to Organic Carbon-Normalized Criteria
NPDES Inpsection Sampling Support

Location ID			BD-MH-9.66			DS-CB-I3			ST-CB-04A			ST-CB-08			UG-MH-76		
Collection Date			12/03/2014			12/16/2014			2/10/2015			2/10/2015			9/11/2014		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SCO	CSL		SCO	CSL		SCO	CSL		SCO	CSL		SCO	CSL		SCO	CSL
PAHs (mg/kg OC)																	
2-Methylnaphthalene	38	64	**1.2 J**			< 12 U			**15**			**5.8**			**1.3**		
Acenaphthene	16	57	**3.0**			< 12 U			**31 J**	1.9		**6.3 J**			**0.70**		
Acenaphthylene	66	66	**2.6**			< 12 U			**4.8 J**			**2.3 J**			**0.52 J**		
Anthracene	220	1,200	**13**			< 12 U			**180**			**29**			**1.8**		
Benzo(a)anthracene	110	270	**64**			**6.1 J**			**100**			**79**			**7.8**		
Benzo(a)pyrene	99	210	**73**			**5.8 J**			**49**			**31**			**10**		
Benzo(g,h,i)perylene	31	78	**21**			**3.0 J**			**27**			**17**			**7.0**		
Chrysene	110	460	**87**			**9.7 J**			**147**	1.3		**126**	1.1		**13 J**		
Dibenz(a,h)anthracene	12	33	**5.3**			< 23 U			**8.7**			**5.3**			**0.91 J**		
Dibenzofuran	15	58	**2.1 J**			< 58 U			**35 J**	2.4		**12 J**			**0.74 J**		
Fluoranthene	160	1,200	**147**			**15**			**400**	2.5		**116**			**23**		
Fluorene	23	79	**4.7**			< 12 U			**80**	3.5	1.0	**13**			**1.7**		
Indeno(1,2,3-cd)pyrene	34	88	**30**			**3.9 J**			**30**			**19**			**5.2**		
Naphthalene	99	170	**1.7 J**			< 12 U			**10**			**4.9**			**0.78**		
Phenanthrene	100	480	**80**			**10 J**			**360**	3.6		**105**	1.1		**10**		
Pyrene	1,000	1,400	**127**			**14**			**333**			**216**			**24**		
Total Benzofluoranthenes	230	450	**160**			**15 J**			**140**			**100**			**23**		
Total HPAHs	960	5,300	**73**			**74 J**			**1,267**	1.3		**737**			**113 J**		
Total LPAHs	370	780	**107**			**10 J**			**667 J**	1.8		**158 J**			**16 J**		
Phthalates (mg/kg OC)																	
bis(2-Ethylhexyl)phthalate	47	78	**127**	2.7	1.6	< 355 U			**240**	5.1	3.1	**174**	3.7	2.2	**83**	1.8	1.1
Butylbenzylphthalate	4.9	64	**12 J**	2.4		< 116 U			< 42 U			< 5.1 U			**3.9 J**		
Di-n-Butylphthalate	220	1,700	**11 J**			< 287 U			< 59 U			< 51 U			< 17 U		
Diethylphthalate	61	110	< 17 U			< 116 U			< 10 U			< 7.9 U			< 7.0 U		
Dimethylphthalate	53	53	**0.67 J**			**8.4 J**			< 12 UJ			< 10 UJ			**13**		
Di-n-Octyl phthalate	58	4,500	**18 J**			< 287 U			**12 J**			< 51 U			**11 J**		
Other SVOCs (mg/kg OC)																	
1,2,4-Trichlorobenzene	0.81	1.8	< 4.3 U			< 29 U			< 5.9 UJ			< 5.1 UJ			< 1.7 U		
1,2-Dichlorobenzene	2.3	2.3	< 4.7 U			< 32 U			< 6.5 U			< 5.8 U			< 1.9 U		
1,4-Dichlorobenzene	3.1	9	< 4.3 U			< 29 U			< 5.9 U			< 5.1 U			< 1.7 U		
Hexachlorobenzene	0.38	2.3	< 4.3 U			< 29 U			< 5.9 U			< 5.1 U			< 1.7 U		
Hexachlorobutadiene	3.9	6.2	< 4.3 U			< 29 U			< 5.9 UJ			< 5.1 UJ			< 1.7 U		
N-Nitrosodiphenylamine	11	11	< 4.3 U			< 29 U			3.7 J			**4.1 J**			**1.2 J**		
PCB Aroclors (mg/kg OC)																	
Total PCB Aroclors	12	65	**73 J**	6.1	1.1	**1.1 J**			**7.3**			**3.9**			**1.2**		

Only samples with TOC content between 0.5 and 4.0% are OC-normalized for comparison with SMS OC-normalized criteria.

Exceedance Factors (EFs) are presented for detected concentrations that exceed the SMS criteria only.

The EFs are calculated (result divided by criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the SMS criteria.

Results in **bold** are detections.

Results shaded gray exceed at least one criterion.

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01	DS-CB-H1
Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014	12/16/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total PCB Congeners (µg/kg)[a]	701 J	471 J	426 J	1,660 J	11,500 J	902 J	412 J	1,150 J	1,370 J	2,690 J	491 J	147 J
Total PCB Congeners (ng/kg)[a]	701,000 J	471,000 J	426,000 J	1,660,000 J	11,500,000 J	902,000 J	412,000 J	1,150,000 J	1,370,000 J	2,690,000 J	491,000 J	147,000 J
Total Monochlorobiphenyl (ng/kg)[a]	326 J	355 J	296 J	106	401	425	7,920	112 J	212 J	228	408 J	345 J
PCB-1	156	144	175	59.6	139	170	5,070	83.1	84.1	79.0	184	129
PCB-2	59.1 J	89.2 J	35.8 J	13.1	132	116	759	29.1 J	42.0 J	54.9	69.0 J	63.3 J
PCB-3	111 J	122 J	85.5 J	33.2	130	139	2,090	< 62.0 U*	86.3	94.4	155 J	153
Total Dichlorobiphenyl (ng/kg)[a]	10,200 J	19,800 J	11,400	1,590	6,330	3,630	19,000	1,900 J	3,500 J	3,960 J	13,500 J	3,310 J
PCB-4/10	467	536	884	83.3	304	174	2,030	< 124 U*	149 J	135 J	1,130	< 188 U*
PCB-5/8	1,430	1,950	3,570	271	1,050	667	4,550	351	538	371	4,760	731
PCB-6	502	562	845	48.4	202	146	1,230	< 70.2 U*	< 93.4 U*	80.2 J	865	151
PCB-7/9	178 J	238 J	371	32.2	110	< 167 U	2,600	< 85.0 U	< 71.1 U	< 49.6 U*	509 J	< 201 U
PCB-11	6,120	14,800	3,740	613	2,790	1,800	5,870	1,210	2,360	2,760	3,430	1,380
PCB-12/13	228 J	< 247 U*	274	35.9	230	112	903	< 79.6 U	< 69.3 U	67.2 J	< 1.37 U	< 200 U
PCB-14	< 134 U	< 245 U	< 282 U	< 18.2 U	< 42.3 U	< 215 U	< 1,060 U	< 85.8 U	< 74.6 U	< 93.5 U	< 0.337 U	< 216 U
PCB-15	1,260	1,700	1,690	509	1,640	727	1,880	341	448	546	2,840	1,050
Total Trichlorobiphenyl (ng/kg)[a]	20,900 J	28,300	24,800 J	10,300 J	22,000	8,450 J	14,300 J	4,220 J	5,510 J	4,680 J	44,500 J	10,000 J
PCB-16/32	2,020	2,800	2,410	1,570	1,980	1,150	2,180	426	457	422	4,040	780
PCB-17	1,030	1,300	1,440	457	843	530	1,250	157	239	193	2,070	358
PCB-18	3,060	3,950	4,190	1,050	2,720	656	1,960	639	699	674	6,100	1,110
PCB-19	500	495	415	182	331	< 211 U*	559	75.6	65.1	104	562	< 115 U*
PCB-20/21/33	2,030	3,370	2,800	731	2,310	998	1,650	479	707	478	7,590	1,420
PCB-22	1,150	2,140	1,460	491	1,200	545	758	275	389	284	3,830	822
PCB-23	< 42.1 U	< 34.9 U	< 18.6 U	< 7.00 U	< 16.5 U	< 31.8 U	< 47.7 U	< 16.4 U	< 15.9 U	< 23.7 U	< 0.543 U	< 26.7 U
PCB-24/27	608	457	445	97.1	249	186	< 326 U*	52.4 J	53.5 J	62.5 J	415	77.3 J
PCB-25	1,040	763	885	90.3	269	< 157 U*	271	61.3	94.8	55.0	713	131
PCB-26	2,150	1,520	1,810	206	770	423	624	125	205	166	1,640	302
PCB-28	2,600	3,960	2,930	2,600	2,700	1,100	1,270	536	757	491	6,030	1,250
PCB-29	< 49.9 U	< 41.3 U	42.0 J	< 5.82 U*	29.6	< 37.7 U	< 56.5 U	< 19.4 U	24.3 J	10.2 J	110 J	< 31.7 U
PCB-30	< 12.6 U	< 31.0 U	< 18.1 U	< 3.31 U	< 4.84 U	< 25.5 U	< 98.1 U	< 8.77 U	< 8.70 U	< 6.64 U	< 0.355 U	< 27.0 U
PCB-31	2,990	4,410	4,240	1,660	3,340	1,710	2,160	803	1,040	755	7,830	1,600
PCB-34	< 41.8 U*	< 39.3 U	30.9 J	14.8	23.0	< 35.8 U	< 53.7 U	< 18.4 U	< 17.9 U	< 26.6 U	< 1.57 U	< 30.1 U
PCB-35	195	352	166	64.5	734	167	366	85.0	125	170	246	151
PCB-36	< 52.2 U	< 42.2 U	< 25.8 U	19.5	104	< 47.0 U	152	< 18.3 U	< 25.4 U	58.7	< 0.406 U	< 33.6 U
PCB-37	1,530	2,780	1,520	764	4,070	985	1,140	479	651	721	3,320	2,000
PCB-38	< 49.7 U	< 40.2 U	50.5 J	324	221	< 44.8 U	< 76.9 U	23.7 J	< 24.3 U*	37.7 J	49.4 J	< 32.0 U
PCB-39	< 53.5 U	< 43.2 U	< 26.4 U	8.80	62.5	< 48.2 U	< 82.7 U	< 18.7 U	< 26.0 U	< 32.3 U	< 0.461 U	< 34.4 U
Total Tetrachlorobiphenyl (ng/kg)[a]	65,400 J	62,800 J	43,800 J	190,000 J	532,000 J	59,200 J	42,100 J	66,300 J	105,000 J	113,000 J	62,600 J	23,300 J
PCB-40	1,070	1,260	735	1,220	5,010	412	225	624	704	1,010	1,740	433
PCB-41/64/71/72	5,580	6,010	4,090	14,000	26,100	7,100	2,430	3,780	5,130	5,870	7,390	1,800
PCB-42/59	1,830	2,100	1,300	7,300	5,470	1,220	1,050	717	897	1,020	2,660	624
PCB-43/49	7,890	6,180	5,290	35,300 J	38,000 J	4,170	2,940	4,170	6,870	7,360	5,360	1,360
PCB-44	6,820	7,000	4,650	13,600 J	61,000 J	7,070	4,470	9,710	13,400	15,600	7,720	2,070
PCB-45	945	1,030	687	665	1,580	662	540	238	293	443	1,370	286
PCB-46	549	513	349	2,190	896	316	246	91.7	143	224	583	122 J
PCB-47	2,220	2,030	1,470	21,000 J	7,490	993	802	552	773	864	1,970	386
PCB-48/75	750	853	675	1,030	1,800	500	593	342	457	440	1,640	302
PCB-50	< 38.3 U	< 60.2 U	< 41.4 U	27.5	28.3	< 56.4 U	< 35.2 U	< 26.3 U	< 34.2 U	6.35 J	< 0.603 U	< 43.0 U
PCB-51	777	422	405	2,640	1,040	229	167	89.7	110	147	383	86.0 J
PCB-52/69	13,600	10,000	8,070	26,300 J	134,000 J	12,900	6,120	17,700	29,000	36,200	7,670	2,360
PCB-53	1,980	1,220	1,050	6,140	3,750	778	609	399	607	1,040	1,070	220
PCB-54	< 45.9 U*	< 48.1 U	27.9 J	67.3	67.6	< 18.3 U*	< 28.1 U	< 21.0 U	< 27.3 U	7.35 J	< 0.275 U	< 34.3 U
PCB-55	204	207	129	459	1,930	228	170	283	413	718	212	< 93.3 U*

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01	DS-CB-H1
Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014	12/16/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-56/60	3,060	4,070	2,240	3,880	18,900	3,050	2,900	2,360	3,780	3,280	4,180	2,670
PCB-57	95.6 J	90.0 J	60.0 J	55.8	182	< 27.8 U*	49.9	< 15.6 U*	34.4 J	< 38.4 U	58.2 J	< 38.7 U
PCB-58	37.3 J	< 56.1 U	< 38.7 U	322	210	< 14.9 U*	< 52.3 U	< 23.9 U	16.2 J	< 40.6 U	< 0.589 U	< 18.6 U*
PCB-61/70	9,160	9,390	6,070	22,000 J	122,000 J	10,700	8,810	15,900	28,200	22,000	9,140	4,800
PCB-62	< 33.8 U	< 63.6 U	< 36.3 U	< 12.9 U	< 10.7 U	< 53.6 U	< 40.0 U	< 23.8 U	< 30.3 U	< 40.7 U	< 0.597 U	< 34.6 U
PCB-63	205	283	166	860	1,410	185	278	178	293	237	< 245 U*	124 J
PCB-65	< 33.7 U	< 63.4 U	< 36.2 U	< 12.8 U	< 10.6 U	< 53.4 U	< 39.9 U	< 23.7 U	< 30.2 U	< 40.6 U	< 0.842 U	< 34.5 U
PCB-67	< 225 U*	218	188	88.3	894	118	229	71.0	113	112	< 242 U*	< 109 U*
PCB-68	< 123 U*	79.4 J	78.0 J	961	216	23.3	< 17.4 U*	24.8 J	31.3 J	< 36.9 U	53.5 J	< 31.4 U
PCB-73	< 36.0 U*	< 58.9 U	26.2 J	95.2	< 9.07 U	< 49.4 U	< 36.2 U	< 20.2 U	< 30.6 U	< 38.6 U	< 0.454 U	< 34.8 U
PCB-74	2,130	2,600	1,520	3,450	17,500 J	2,300	2,690	2,560	4,630	3,600	2,600	1,320
PCB-76/66	5,130	5,800	3,540	24,000 J	39,900 J	4,580	5,500	3,980	6,430	5,540	5,590	3,190
PCB-77	869	1,160	734	1,380	30,500 J	1,260	1,050	1,690	2,040	4,990	1,040	1,170
PCB-78	< 27.9 U	< 47.9 U	< 31.7 U	< 10.2 U	< 10.2 U	< 37.1 U	< 29.4 U	< 21.2 U	< 31.0 U	< 37.2 U	< 0.385 U	< 33.3 U
PCB-79	320	208	196	802	4,210	325	197	523	834	1,410	153 J	< 82.3 U*
PCB-80	< 27.8 U	< 45.0 U	< 29.7 U	< 10.0 U	< 7.21 U	< 34.8 U	< 27.4 U	< 18.6 U	< 24.4 U	< 31.6 U	< 0.336 U	< 31.3 U
PCB-81	132	91.3 J	48.9 J	94.2	8,310	92.9	72.5	352	276	583	64.5 J	< 38.5 U*
Total Pentachlorobiphenyl (ng/kg)[a]	176,000 J	117,000 J	109,000 J	438,000 J	3,340,000 J	270,000	116,000 J	372,000	562,000 J	897,000 J	103,000 J	43,800 J
PCB-82	2,950	2,050	1,880	4,880	68,300 J	5,180	2,340	6,600	9,840	15,700	1,760	1,060
PCB-83	< 72.7 U	< 83.7 U	< 76.1 U	< 7.31 U	< 28.1 U	< 54.1 U	< 58.8 U	< 14.6 U	< 22.7 U	< 11.7 U	< 0.440 U	< 62.6 U
PCB-84/92	12,200	7,870	7,340	31,700 J	207,000 J	18,400	7,740	24,400	35,200	65,800	6,560	2,390
PCB-85/116	3,450	2,380	2,660	6,820	68,700 J	5,860	2,490	7,540	12,500	17,500	2,270	1,090
PCB-86	< 131 U	< 151 U	< 137 U	< 13.2 U	< 50.6 U	120	70.2	< 26.4 U	171	< 21.1 U	< 1.79 U	< 113 U
PCB-87/117/125	8,650	6,240	5,340	16,500	187,000 J	14,900	5,930	22,900	36,500	51,800	5,810	2,630
PCB-88/91	3,960	2,500	2,570	17,000	53,200 J	5,290	2,460	6,210	9,260	18,000	1,600	652
PCB-89	204	132	< 90.6 U*	286	2,340	361	177	245	362	619	132 J	50.9 J
PCB-90/101	32,400	20,400	17,900	77,500 J	581,000 J	46,200	22,400	66,100	98,900	161,000	19,700	6,690
PCB-93	< 136 U	< 208 U	< 128 U	< 12.9 U	< 41.0 U	< 96.7 U	< 104 U	< 25.0 U	< 33.5 U	< 20.9 U	< 1.42 U	< 122 U
PCB-94	147	< 166 U	99.3 J	780	1,500	178	109	166	240	478	< 0.874 U	< 97.2 U
PCB-95/98/102	24,700	14,900	14,600	54,400 J	382,000 J	36,900	13,900	47,900	65,200	132,000	13,200	3,910
PCB-96	183	< 152 U	114 J	651	1,010	109	< 75.1 U	< 15.4 U	< 20.3 U	672	114 J	< 64.4 U
PCB-97	7,390	5,340	4,510	16,500 J	149,000 J	12,100	4,910	17,400	27,900	42,000	4,490	1,910
PCB-99	9,360	5,810	5,870	33,000 J	154,000 J	12,800	5,530	16,400	27,200	42,100	4,890	2,090
PCB-100	< 197 U*	< 185 U	92.2 J	922	997	76.0	< 91.2 U	91.0	< 95.2 U*	210	< 0.511 U	< 78.2 U
PCB-103	333	< 181 U	163	1,230	2,440	163	103	237	355	586	184	< 76.6 U
PCB-104	< 61.0 U	< 146 U	< 62.6 U	17.9	< 64.1 U*	< 56.8 U	< 72.2 U	< 14.8 U	< 19.5 U	< 10.7 U	< 0.876 U	< 61.9 U
PCB-105	8,450	6,590	4,980	12,900 J	216,000 J	13,900	6,830	20,600	31,000	40,900	5,360	3,580
PCB-106/118	22,900	16,300	13,600	60,000 J	546,000 J	36,400	16,000	51,800	84,400	107,000	14,600	7,970
PCB-107/109	1,480	1,140	983	5,530	32,000 J	2,440	1,080	3,360	4,810	7,290	963	535
PCB-108/112	1,260	870	< 665 U*	4,010	22,900 J	1,860	779	2,670	3,940	6,680	623	317
PCB-110	32,100	21,500	24,400	84,100 J	581,000 J	51,000	21,000	70,100	103,000	169,000 J	18,200	7,990
PCB-111/115	308	323	224 J	659	6,370	655	220	855	1,450	2,350	252 J	126 J
PCB-113	109 J	119 J	< 68.3 U	132	1,900	< 51.0 U	< 1,240 U*	< 14.5 U	< 20.0 U	< 12.1 U	108 J	< 72.1 U
PCB-114	499	374	320	754	10,300	743	437	1,410	1,970	2,680	341	195
PCB-119	805	428	454	3,830	7,740	549	252	704	1,220	1,860	304	91.7 J
PCB-120	154	< 75.9 U	< 86.6 U*	564	1,600	192	< 53.3 U	190	220	571	98.8 J	< 56.7 U
PCB-121	< 71.0 U	< 108 U	< 66.9 U	< 6.71 U	< 21.4 U	< 50.4 U	< 54.5 U	< 13.0 U	< 17.5 U	< 10.9 U	< 0.978 U	< 63.6 U
PCB-122	327	196	209	530	6,570	516	231	630	926	1,470	173	< 91.3 U*
PCB-123	293	207	< 207 U*	631	8,250	635	300	689	1,050	1,470	201	< 92.2 U*
PCB-124	1,070	810	644	1,990	24,900 J	1,750	652	2,470	3,420	5,430	677	323
PCB-126	318	253	218	446	13,500 J	504	358	726	895	2,240	210	176
PCB-127	< 133 U	< 51.4 U	< 64.0 U	< 8.52 U	< 390 U	< 85.2 U	< 236 U	< 97.5 U	< 84.9 U	< 93.5 U	< 0.326 U	< 83.5 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01	DS-CB-H1
Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014	12/16/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Hexachlorobiphenyl (ng/kg)[a]	230,000 J	134,000 J	136,000 J	552,000 J	4,140,000 J	322,000 J	113,000	411,000 J	447,000 J	1,010,000 J	138,000 J	39,500 J
PCB-128/162	5,810	4,170	4,780	14,800	167,000 J	10,400	5,050	13,000	16,800	34,200	3,760	1,860
PCB-129	2,070	1,480	1,450	4,970	56,900 J	3,650	1,580	5,460	6,470	13,000	1,240	566
PCB-130	2,520	1,770	1,860	6,580	61,200 J	4,420	2,000	5,720	6,950	16,100	1,560	604
PCB-131	< 113 U	< 163 U	< 76.7 U	< 20.5 U	< 417 U	< 86.2 U	< 88.5 U	< 57.1 U	< 24.7 U*	< 190 U	< 0.731 U	< 98.0 U
PCB-132/161	13,600	8,500	8,150	31,000 J	294,000 J	20,100	8,900	26,100	31,400	61,600	8,200	2,380
PCB-133/142	1,650	992	938	3,440	30,700 J	2,160	896	2,910	3,490	7,480	899	288
PCB-134/143	2,440	1,550	1,630	6,740	55,100 J	3,890	1,530	5,110	6,160	13,200	1,610	433
PCB-135	7,110	3,840	4,210	16,200 J	95,600 J	9,150	2,910	10,700	11,300	30,300	3,830	913
PCB-136	6,350	3,450	3,630	15,000 J	87,700 J	8,420	2,660	10,100	10,700	30,200	3,580	749
PCB-137	1,820	1,130	1,590	4,630	37,900 J	3,130	1,200	4,940	6,070	11,200	< 989 U*	646
PCB-138/163/164	46,900	29,000	29,700	116,000 J	979,000 J	67,700	23,300	95,200	99,700	216,000	29,700	9,730
PCB-139/149	47,200	25,000	26,600	113,000 J	605,000 J	64,600	21,400	70,500	78,300	199,000 J	25,700	6,390
PCB-140	243	< 146 U*	195	618	2,280	371	156	371	473	1,150	< 117 U*	< 120 U
PCB-141	11,400	6,460	6,180	25,200 J	212,000 J	14,700	4,820	21,500	20,400	47,400	6,960	1,850
PCB-144	2,230	1,270	1,290	5,940	38,300 J	3,940	1,240	4,150	5,170	12,700	1,420	319
PCB-145	< 74.9 U	< 64.9 U	< 58.8 U	20.5	164	< 61.5 U	< 44.5 U	23.0 J	40.4 J	80.4	< 1.05 U	< 72.3 U
PCB-146/165	6,900	3,940	4,070	15,300	119,000 J	8,180	3,160	10,500	11,500	25,200	4,290	1,060
PCB-147	626	379	515	2,930	8,700	1,190	482	1,380	1,800	4,370	< 174 U*	148
PCB-148	< 121 U	< 105 U	< 94.9 U	120	353	< 99.3 U	< 71.8 U	< 22.1 U	< 21.9 U	< 14.6 U	< 1.45 U	< 117 U
PCB-150	144	< 78.1 U	< 70.7 U	276	779	80.9	< 53.5 U	102	115	290	< 0.801 U	< 87.0 U
PCB-151	14,200	7,130	7,070	33,700 J	188,000 J	18,800	5,070	20,300	20,200	55,800	8,020	1,370
PCB-152	< 80.7 U	< 69.9 U	< 63.3 U	126	477	75.1	36.1	70.4	89.9	211	< 0.744 U	< 77.9 U
PCB-153	45,300	26,000	24,600	106,000 J	802,000 J	57,200 J	18,800	75,500	78,600	170,000 J	29,100	7,030
PCB-154	< 591 U*	350	349	1,470	5,510	506	257	503	738	1,750	387	92.0 J
PCB-155	< 80.7 U	< 70.2 U	< 63.4 U	< 9.62 U	29.5	< 66.4 U	< 48.0 U	< 14.8 U	< 14.7 U	< 9.74 U	< 0.767 U	< 78.0 U
PCB-156	3,790	2,790	2,340	9,300	107,000 J	6,750	2,660	9,300	11,100	19,500	3,130	1,320
PCB-157	717	585	606	2,080	24,700 J	1,470	661	1,820	2,280	4,620	583	< 269 U*
PCB-158/160	5,000	3,080	3,360	12,300	113,000 J	8,220	3,060	11,800	12,900	27,000	3,220	1,210
PCB-159	< 88.0 U	< 136 U	< 64.2 U	< 14.5 U	< 375 U	< 71.9 U	< 64.8 U	< 46.1 U	< 195 U	< 316 U	< 0.578 U	< 71.2 U
PCB-166	106 J	87.1 J	105 J	323	3,480	239	111	371	488	944	< 0.425 U	< 66.8 U
PCB-167	1,510	1,050	1,110	4,080	41,300 J	2,670	1,140	3,480	4,050	8,580	1,250	495
PCB-168	< 70.6 U	< 102 U	< 48.1 U	190	762	85.5	< 55.4 U	< 58.1 U*	96.8	211	< 0.502 U	< 61.4 U
PCB-169	< 90.2 U	< 129 U	< 62.4 U	28.7	314	55.4	< 69.4 U	< 76.4 U	< 216 U	125	< 0.767 U	< 73.1 U
Total Heptachlorobiphenyl (ng/kg)[a]	156,000	83,500	77,400	360,000 J	2,490,000 J	185,000 J	66,800	225,000 J	186,000 J	508,000 J	99,000	19,400 J
PCB-170	16,800	9,010	8,450	40,700 J	242,000 J	20,600	7,660	25,400	19,900	53,600	10,500	2,640
PCB-171	4,240	2,350	2,270	10,100 J	70,100 J	5,200	1,740	6,140	5,200	13,700	3,140	492
PCB-172	2,610	1,480	1,360	5,940	41,200	3,190	1,190	3,750	3,180	8,760	1,800	362
PCB-173	454	241	305	1,110	6,550	597	184	686	551	1,550	325	< 73.7 U*
PCB-174	20,700	11,300	9,890	45,900 J	329,000 J	24,000	7,270	29,000	24,200	65,300	12,800	2,220
PCB-175	695	359	384	1,740	11,600	878	313	1,000	908	2,820	426	90.3 J
PCB-176	2,320	1,140	1,070	5,290	35,500	2,670	908	3,350	2,680	8,300	1,490	218
PCB-177	12,000	6,540	6,090	26,900 J	188,000 J	14,000	4,480	15,700	13,800	37,500	7,780	1,350
PCB-178	4,010	2,020	1,830	8,410	59,200 J	4,090	1,600	5,400	4,240	13,800	2,280	463
PCB-179	8,480	4,540	4,210	19,800 J	138,000 J	9,640	3,450	12,500	10,200	31,900	5,220	714
PCB-180	45,700	24,800	22,700	104,000 J	729,000 J	55,900 J	20,500	66,000	56,000	138,000	29,800	6,120
PCB-181	< 44.6 U	< 90.6 U	< 51.3 U	145	1,070	76.5	< 44.2 U	< 53.1 U	< 28.3 U	< 73.4 U	< 1.26 U	< 58.6 U
PCB-182/187	20,200	10,500	10,000	46,400 J	342,000 J	22,300	9,480	30,100	24,100	71,400	12,400	2,350
PCB-183	9,380	4,800	4,770	22,700 J	159,000 J	11,200	4,260	13,800	11,000	33,400	6,250	1,100
PCB-184	< 27.5 U	< 53.0 U	< 31.5 U	25.6	227	< 19.8 U	< 23.3 U	27.1 J	20.8 J	41.0 J	< 0.597 U	< 33.8 U
PCB-185	1,880	921	839	4,300	32,800	2,300	812	2,700	2,410	5,760	1,200	208
PCB-186	< 30.8 U	< 59.5 U	< 35.4 U	< 15.1 U	33.1	< 22.2 U	< 26.1 U	< 9.50 U	< 17.0 U	< 38.7 U	< 0.421 U	< 37.9 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	AS-CB-02	AS-CB-05	AS-CB-UNK	BD-MH-9.66	BD-MH-10.9	BD-MH-13.43	BD-OWS-15	CC-A-01	CC-CB-04	CC-CB-22	CS-CB-01	DS-CB-H1
Collection Date	1/20/2015	1/20/2015	1/20/2015	12/3/2014	12/3/2014	12/2/2014	12/3/2014	10/13/2014	10/13/2014	10/13/2014	9/3/2014	12/16/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-188	< 28.3 U	< 54.7 U	< 32.5 U	72.7	507	43.7	24.4	38.9 J	50.5	77.4	< 0.759 U	< 34.9 U
PCB-189	645	356	317	1,520	10,300	783	338	826	822	2,250	< 0.483 U	149
PCB-190	3,200	1,670	1,610	8,220	48,600	4,000	1,380	4,910	3,820	10,900	1,740	492
PCB-191	788	384	352	1,740	11,400	907	340	1,060	900	2,300	517	150
PCB-192	< 35.3 U	< 71.8 U	< 40.6 U	< 17.2 U	< 101 U	< 28.7 U	< 35.0 U	< 13.1 U	< 22.4 U	< 58.2 U	< 0.528 U	< 46.4 U
PCB-193	2,040	1,040	923	5,000	32,700	2,540	874	2,910	2,390	6,400	1,290	309
Total Octachlorobiphenyl (ng/kg)[a]	37,400	21,500	19,200	101,000 J	799,000 J	47,800	22,000 J	60,500	48,000	138,000	20,700	5,690 J
PCB-194	9,130	5,100	4,700	24,500 J	191,000 J	11,800	4,740	14,000	11,800	36,200	4,730	1,360
PCB-195	3,700	2,000	1,660	9,710	70,100 J	4,160	1,740	5,490	4,310	14,600	2,070	412
PCB-196/203	10,100	6,030	5,280	28,900 J	212,000 J	13,400	6,620	17,000	12,800	35,600	5,530	1,760
PCB-197	306	221	206	957	7,730	453	244	618	394	1,340	266	< 51.9 U
PCB-198	423	379	205	1,130	13,500 J	517	< 189 U*	807	411	1,310	429	< 73.8 U
PCB-199	9,240	5,030	4,790	24,400 J	189,000 J	11,400	5,620	14,900	11,900	32,600	4,850	1,550
PCB-200	1,120	682	592	3,190	25,700 J	1,550	686	2,000	1,530	4,210	671	183
PCB-201	1,160	661	584	3,060	29,300 J	1,550	795	2,020	1,610	4,340	786	< 174 U*
PCB-202	1,820	1,220	955	4,270	52,100 J	2,360	1,330	3,060	2,820	6,130	1,320	357
PCB-204	< 23.9 U	< 88.9 U	< 61.6 U	< 8.27 U	102	< 44.7 U	< 70.8 U	< 24.0 U	< 26.9 U	< 13.1 U	< 0.543 U	< 49.0 U
PCB-205	429	204	197	1,170	8,810	558	218	626	455	1,710	< 0.471 U	70.5 J
Total Nonachlorobiphenyl (ng/kg)[a]	4,560	3,730	3,120	9,740	200,000 J	5,490	4,130	5,290	6,350	9,460	6,270	1,240
PCB-206	3,360	2,680	2,250	7,240	146,000 J	4,020	2,660	3,890	4,330	6,990	4,270	877
PCB-207	344	268	230	893	13,600 J	526	608	491	652	963	503	128
PCB-208	859	780	643	1,610	39,900 J	941	858	906	1,370	1,510	1,500	231
Decachlorobiphenyl (ng/kg)	460	606	498	522	16,700 J	461	6,580	306	381	370	2,700	223
PCB-209	460	606	498	522	16,700 J	461	6,580	306	381	370	2,700	223
PCB TEQ, nd SDL*0	33.1	26.3	22.6 J	50.0 J	139 J	54.1	40.0	75.6	93.9	234	21.9	18.1 J
PCB TEQ, nd SDL*0.5	34.4	28.2	23.5 J	50.0 J	139 J	54.1	40.0	76.7	97.1	234	21.9	19.2 J
PCB TEQ, nd SDL*1	35.8	30.2	24.5 J	50.0 J	139 J	54.1	40.0	77.9	100	234	21.9	20.3 J

a - Total PCBs and total PCB homologs include only congeners that met identification criteria as required by EPA Method1668C.

PCB congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08	UG-MH-76	UG-MH-60
Collection Date	**12/16/2014**	**12/16/2014**	**9/9/2014**	**12/11/2014**	**12/11/2014**	**12/11/2014**	**10/8/2014**	**10/8/2014**	**2/10/2015**	**2/10/2015**	**9/11/2014**	**9/11/2014**
Analyte	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Total PCB Congeners (µg/kg)[a]	47.2 J	84.4 J	34.4 J	1,320 J	762 J	7,500 J	896 J	3,960 J	426 J	264 J	67.0 J	922 J
Total PCB Congeners (ng/kg)[a]	47,200 J	84,400 J	34,400 J	1,320,000 J	762,000 J	7,500,000 J	896,000 J	3,960,000 J	426,000 J	264,000 J	67,000 J	922,000 J
Total Monochlorobiphenyl (ng/kg)[a]	< 61.7 U	< 63.1 U	444	239	< 194 U	1,020	< 1,010 U	< 1,050 U	3,400	255 J	171 J	1,920
PCB-1	< 61.7 U	< 63.1 U	273	132	< 174 U	447	< 979 U	< 1,050 U	2,570	155	89.0	1,080
PCB-2	< 61.4 U	< 62.5 U	68.4	< 161 U	< 194 U	148	< 1,010 U	< 986 U	210	< 31.4 U*	20.3 J	191
PCB-3	< 51.0 U	< 51.9 U	103	107	< 161 U	427	< 843 U	< 819 U	622	100 J	61.6	652
Total Dichlorobiphenyl (ng/kg)[a]	435 J	1,160 J	1,970 J	7,270 J	6,190	79,000	5,210 J	9,620 J	7,380	1,590 J	971 J	25,700
PCB-4/10	< 55.3 U	< 263 U	127 J	< 711 U	< 620 U	6,520	< 4,250 U	< 3,450 U	1,460	152 J	82.2 J	3,260
PCB-5/8	< 47.5 U	< 255 U*	290	1,170	1,480	23,400	< 2,020 U*	5,380	2,810	530	254	10,200
PCB-6	< 41.8 U	< 201 U	103	< 238 U*	< 503 U	8,660	< 3,170 U	< 2,690 U	772	111 J	49.8 J	1,550
PCB-7/9	< 45.1 U	< 217 U	97.5 J	< 581 U	< 543 U	2,730	< 3,420 U	< 2,900 U	613	< 109 U	< 46.9 U*	949
PCB-11	435	656	1,160	4,330	2,860	5,450	5,210	< 5,590 U*	328	204	355	2,710
PCB-12/13	< 42.3 U	< 234 U	65.4 J	< 576 U	< 607 U	3,280	< 3,270 U	< 3,020 U	373	< 114 U	34.4 J	650
PCB-14	< 45.5 U	< 251 U	< 0.337 U	< 620 U	< 653 U	< 695 U	< 3,510 U	< 3,250 U	< 112 U	< 123 U	< 0.337 U	< 0.337 U
PCB-15	< 211 U*	502	123	1,770	1,850	29,000	< 2,920 U	4,240	1,020	595	196	6,400
Total Trichlorobiphenyl (ng/kg)[a]	1,430 J	2,950 J	863 J	37,400	40,200 J	734,000 J	15,000 J	123,000 J	8,640 J	5,980 J	2,350 J	125,000 J
PCB-16/32	124 J	196 J	101 J	2,550	2,900	76,800	2,230 J	12,600	1,130	776	261	17,400
PCB-17	78.9 J	103 J	47.3 J	1,160	1,320	35,300	< 981 U	5,970	582	395	132	9,540
PCB-18	165	303	141	3,190	3,510	95,600	3,290	21,000	1,730	1,090	389	28,600
PCB-19	< 44.3 U	< 40.0 U	< 0.612 U	323	< 377 U*	12,000	< 1,190 U	1,760	216	173	43.0 J	3,070 J
PCB-20/21/33	194 J	338 J	106 J	5,400	5,490	70,900	1,860 J	15,100	1,040	677	301	12,900
PCB-22	122 J	232	53.5	3,440	3,580	56,500	1,460	9,700	521	334	168	6,740
PCB-23	< 22.0 U	< 33.9 U	< 0.543 U	< 105 U	< 96.5 U	< 67.1 U*	< 595 U	< 715 U	< 28.5 U	< 39.7 U	< 0.543 U	28.4 J
PCB-24/27	< 26.4 U	< 22.7 U	15.3 J	321	313	9,250	< 761 U	1,440 J	151 J	121 J	34.6 J	1,780
PCB-25	< 22.3 U	27.6 J	< 15.4 U*	475	571	16,500	< 603 U	1,210	< 83.0 U*	84.0 J	36.2 J	1,360
PCB-26	< 46.8 U*	92.1 J	< 34.7 U*	1,040	1,120	30,900	< 630 U	3,890	286	202	77.9	2,870
PCB-28	178	427	125	5,010	5,570	117,000	1,810	15,600	979	649	323	13,900
PCB-29	< 26.1 U	< 40.2 U	< 0.949 U	< 125 U	< 114 U	722	< 704 U	< 847 U	< 33.8 U	< 47.0 U	< 0.949 U	150
PCB-30	< 27.0 U	< 24.4 U	< 0.355 U	< 75.5 U	< 106 U	< 69.3 U	< 726 U	< 460 U	< 30.3 U	< 34.3 U	< 0.355 U	< 0.355 U
PCB-31	222	404	141	5,530	6,020	111,000	2,360	22,600	1,350	940	397	18,300
PCB-34	< 24.8 U	< 38.2 U	< 1.57 U	< 118 U	< 109 U	1,250	< 669 U	< 805 U	< 32.1 U	< 44.6 U	< 1.57 U	116
PCB-35	39.7 J	61.8 J	38.5 J	565	570	3,880	< 860 U	1,400	64.5 J	< 43.7 U	< 15.7 U*	291
PCB-36	< 26.8 U	< 43.7 U	< 0.406 U	< 133 U	< 115 U	< 219 U	< 926 U	< 868 U	< 40.1 U	< 47.1 U	< 0.406 U	25.1 J
PCB-37	310	767	94.0	8,390	9,200	93,900	1,940	11,200	581	538	189	7,680
PCB-38	< 25.5 U	< 41.6 U	< 0.528 U	< 126 U	< 110 U	1,570	< 883 U	< 826 U	< 38.1 U	< 44.9 U	< 0.528 U	232 J
PCB-39	< 27.4 U	< 44.7 U	< 0.461 U	< 136 U	< 118 U	484	< 950 U	< 889 U	< 41.0 U	< 48.2 U	< 0.461 U	24.8 J
Total Tetrachlorobiphenyl (ng/kg)[a]	4,110 J	8,290 J	2,270 J	193,000 J	133,000 J	1,790,000	44,000 J	604,000 J	51,400 J	28,000 J	7,390 J	185,000 J
PCB-40	< 33.4 U	150	74.1	3,620	2,900	37,000	< 1,680 U	11,400	728	440	134	4,240
PCB-41/64/71/72	272 J	688	224	15,900	11,300	150,000	5,280	50,100	3,770	2,070	573	17,300
PCB-42/59	< 86.0 U*	247	69.0 J	4,430	4,050	56,200	< 1,030 U	14,800	1,000	579	190	6,700
PCB-43/49	237 J	525	172	11,600	7,480	170,000	4,880	42,600	3,590	2,080	723	16,900
PCB-44	416	821	275	21,100	10,500	146,000	< 5,480 U*	66,400	6,700	3,430	824	20,500
PCB-45	57.9 J	119 J	< 24.5 U*	1,400	1,340	26,100	< 1,630 U	6,420	506	401	96.7	4,810 J
PCB-46	< 29.0 U	63.1 J	< 0.537 U	585	727	14,900	< 1,670 U	3,330	186	182	< 38.1 U*	2,040 J
PCB-47	< 60.1 U*	173	48.7 J	2,850	2,420	84,600	< 1,110 U	10,600	839	462	202	5,110
PCB-48/75	< 47.5 U*	104 J	37.8 J	2,150	1,880	23,800	< 959 U	9,580	571	284	113	4,010
PCB-50	< 24.0 U	< 52.1 U	< 0.603 U	< 201 U	< 202 U	498	< 1,270 U	< 361 U	< 54.3 U	< 51.6 U	< 0.603 U	72.4
PCB-51	< 24.8 U	< 58.6 U	< 0.789 U	437	554	50,400	< 1,420 U	2,070	< 107 U*	108 J	34.8 J	1,510 J
PCB-52/69	478	1,090	326	25,400	9,070	175,000	9,730	81,400	10,400	5,990	1,270	23,600
PCB-53	< 37.1 U*	< 80.7 U*	< 26.0 U*	1,270	1,110	72,600	< 1,320 U	5,890	583	428	103	3,920 J
PCB-54	< 19.2 U	< 41.6 U	< 0.275 U	< 160 U	< 161 U	6,040	< 1,010 U	< 289 U	< 43.3 U	< 41.2 U	< 0.275 U	101
PCB-55	< 19.9 U	< 42.9 U	< 0.416 U	720	522	5,370	< 855 U	1,860	< 190 U*	122	34.2 J	443

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08	UG-MH-76	UG-MH-60
Collection Date	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015	9/11/2014	9/11/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PCB-56/60	418	707	163	18,600	16,900	163,000	3,710	54,100	2,970	1,400	388	11,400
PCB-57	< 20.6 U	< 46.1 U	< 0.354 U	< 125 U*	< 177 U	1,640	< 1,080 U	< 1,040 U	< 51.7 U	< 46.9 U	< 0.354 U	117
PCB-58	< 21.8 U	< 48.7 U	< 0.589 U	< 173 U	< 187 U	740	< 1,140 U	< 1,100 U	< 54.6 U	< 49.6 U	< 0.589 U	49.7
PCB-61/70	1,030	1,410	432	41,600	25,400	243,000	10,800	124,000	11,400	5,650	1,400	28,300
PCB-62	< 19.2 U	< 44.9 U	< 0.597 U	< 181 U	< 178 U	< 263 U	< 964 U	< 978 U	< 50.3 U	< 47.3 U	< 0.597 U	< 0.597 U
PCB-63	< 21.2 U	< 47.5 U	< 0.524 U	879	784	9,050	< 1,110 U	2,920	186	104 J	39.7 J	899
PCB-65	< 19.1 U	< 44.8 U	< 0.842 U	< 180 U	< 178 U	< 262 U	< 961 U	< 975 U	< 50.2 U	< 47.2 U	< 0.842 U	< 0.842 U
PCB-67	< 18.2 U	< 40.8 U	205	687	658	7,660	< 957 U	1,350	86.9 J	75.7 J	765	20,200
PCB-68	< 17.4 U	< 40.7 U	< 0.486 U	< 115 U*	< 108 U*	2,060	< 874 U	< 887 U	< 45.6 U	< 42.9 U	22.8 J	708
PCB-73	< 18.1 U	< 42.9 U	< 0.658 U	< 162 U	< 172 U	1,870	< 1,040 U	< 963 U	< 43.3 U	< 43.1 U	18.8 J	99.2
PCB-74	219	385	< 0.454 U	9,920	7,420	75,600	2,470	30,400	2,380	1,270	< 0.454 U	< 0.454 U
PCB-76/66	537	919	100	21,300	20,100	207,000	4,880	71,200	4,600	2,470	326	8,930
PCB-77	424	810	127	7,140	7,160	50,800	2,220	11,700	458	222	113	2,840
PCB-78	< 17.4 U	< 39.9 U	< 0.385 U	< 149 U	< 151 U	< 245 U	< 954 U	< 847 U	< 44.8 U	< 42.4 U	< 0.385 U	< 0.385 U
PCB-79	< 19.2 U	82.2 J	20.0 J	743	355	3,180	< 825 U	2,330	338	206	< 41.9 U*	401
PCB-80	< 17.4 U	< 37.4 U	< 0.336 U	< 136 U	< 147 U	< 247 U	< 747 U	< 841 U	< 41.7 U	< 41.0 U	< 0.336 U	< 0.336 U
PCB-81	15.7 J	< 35.0 U*	< 0.674 U	411	183	1,380	< 911 U	< 702 U*	132	< 39.2 U*	14.3 J	136
Total Pentachlorobiphenyl (ng/kg)[a]	17,300 J	30,200 J	8,010 J	469,000	194,000 J	1,880,000 J	171,000 J	1,230,000 J	164,000 J	94,200 J	20,200 J	227,000 J
PCB-82	< 325 U*	647	156	10,300	5,610	40,000	4,430	26,900	3,210	1,820	319	4,970
PCB-83	< 109 U	< 46.9 U	< 0.440 U	< 239 U	< 397 U	< 207 U*	< 1,460 U	< 502 U	< 39.6 U	< 72.2 U	< 0.440 U	< 24.8 U*
PCB-84/92	806	1,680	513	27,200	9,260	107,000	11,400	81,300	11,200	6,510	1,370	16,300
PCB-85/116	421	689	195	11,300	5,260	47,900	3,330	30,900	3,990	2,290	405	5,210
PCB-86	< 196 U	< 84.6 U	< 1.79 U	238	< 716 U	1,440	< 2,630 U	1,330	< 71.4 U	< 130 U	< 1.79 U	< 183 U*
PCB-87/117/125	1,020	1,750	469	27,400	10,500	100,000	9,690	71,700	9,410	5,440	1,030	12,500
PCB-88/91	233 J	502	131	8,670	3,060	48,200	3,230	26,100	3,170	1,940	450	4,860
PCB-89	< 131 U	< 56.6 U	< 8.48 U*	610	< 319 U*	3,350	< 1,950 U	2,190	166	< 83.5 U*	23.8 J	352
PCB-90/101	2,260	4,850	1,570	73,600	27,300	287,000	31,400	201,000	28,100	16,300	3,540	39,800
PCB-93	< 200 U	< 82.6 U	< 1.42 U	< 457 U	< 820 U	< 489 U	< 2,460 U	< 1,120 U	< 66.9 U	< 118 U	< 1.42 U	< 1.42 U
PCB-94	< 160 U	< 65.8 U	< 0.874 U	322	< 654 U	4,170	< 1,960 U	< 1,060 U*	87.0 J	< 94.5 U	< 17.0 U*	183 J
PCB-95/98/102	1,200	2,400	823	48,200	13,700	161,000	16,400	156,000	20,200	12,200	2,640	28,100
PCB-96	< 100 U	< 41.7 U	< 0.588 U	430	< 389 U	4,780	< 1,480 U	1,280	148	94.6 J	< 21.8 U*	197
PCB-97	769	1,450	352	20,200	8,260	84,800	7,020	56,800	7,740	4,400	903	10,200
PCB-99	761	1,500	450	25,000	9,620	107,000	7,910	63,600	9,310	5,240	1,070	13,100
PCB-100	< 121 U	< 50.6 U	< 0.511 U	130	< 473 U	6,010	< 1,800 U	< 657 U	< 45.6 U	< 82.4 U	< 0.511 U	124
PCB-103	< 119 U	< 49.6 U	< 0.428 U	319	< 463 U	4,780	< 1,770 U	1,030 J	130	81.1 J	35.0 J	287
PCB-104	< 96.1 U	< 40.2 U	< 0.876 U	< 221 U	< 374 U	582	< 1,430 U	< 519 U	< 36.1 U	< 65.3 U	< 0.876 U	< 0.876 U
PCB-105	1,810	2,230	472	35,700	18,500	138,000	12,400	85,500	8,530	4,430	1,050	14,200
PCB-106/118	3,930	5,340	1,220	79,900	39,100	306,000	27,800	169,000	23,800	12,600	2,830	30,800
PCB-107/109	264	379	75.5 J	4,900	2,490	20,000	2,090 J	12,300	1,340	766	172	1,990
PCB-108/112	128 J	233 J	65.1 J	2,670	< 1,170 U*	13,300	< 1,730 U	8,840	1,070	645	144	1,630
PCB-110	3,440	5,920	1,490	81,300	35,000	346,000 J	31,700	211,000	28,900	17,600	3,850	37,900
PCB-111/115	< 101 U	99.1 J	< 24.0 U*	918	474	3,390	< 1,360 U	3,910	396	235 J	45.4 J	532
PCB-113	< 105 U	< 45.3 U	< 41.2 U*	< 243 U	< 479 U	< 287 U	< 1,570 U	< 548 U	< 39.9 U	< 67.6 U	< 65.1 U*	101 J
PCB-114	< 58.5 U*	108 J	< 0.418 U	1,840	836	6,880	< 1,190 U	4,700	477	268	< 49.3 U*	743
PCB-119	< 108 U	< 52.9 U*	< 0.383 U	975	695	11,900	< 1,450 U	3,230	403	243	70.9	< 608 U*
PCB-120	< 98.6 U	< 42.5 U	< 0.622 U	137	< 360 U	< 1,060 U*	< 1,320 U	< 538 U*	80.9 J	51.2 J	< 0.622 U	< 80.2 U*
PCB-121	< 104 U	< 43.1 U	< 0.978 U	< 239 U	< 428 U	< 255 U	< 1,280 U	< 587 U	< 34.9 U	< 61.8 U	< 0.978 U	< 0.978 U
PCB-122	37.4 J	< 85.1 U	< 0.619 U	872	517	4,020	< 1,390 U	< 2,450 U*	225	127	23.7 J	395
PCB-123	< 118 U	< 51.5 U	23.7 J	1,350	860	4,560	< 1,670 U	3,240	417	199	38.9 J	410
PCB-124	119 J	204	< 52.0 U*	3,100	1,620	10,700	1,700	7,930	943	579	108	1,380
PCB-126	96.6 J	214	< 0.543 U	1,440	865	5,780	< 1,490 U	2,190	136	126	46.2 J	417
PCB-127	< 55.4 U	< 70.0 U	< 0.326 U	< 277 U	< 291 U	< 279 U	< 1,060 U	< 1,140 U	< 63.8 U	< 55.5 U	< 0.326 U	< 0.326 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08	UG-MH-76	UG-MH-60
Collection Date	12/16/2014	12/16/2014	9/9/2014	12/11/2014	12/11/2014	12/11/2014	10/8/2014	10/8/2014	2/10/2015	2/10/2015	9/11/2014	9/11/2014
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Hexachlorobiphenyl (ng/kg)[a]	17,400 J	26,800 J	10,000 J	376,000 J	213,000 J	1,800,000 J	325,000 J	1,110,000 J	124,000 J	81,700 J	19,900 J	193,000
PCB-128/162	919	1,250	350	15,300	7,930	66,600	7,890	36,800	4,710	2,880	668	6,670
PCB-129	329	404	101	5,850	2,720	21,100	< 3,950 U*	13,600	1,810	999	218	2,000
PCB-130	352	445	145	6,110	3,730	25,900	5,280	16,500	1,660	1,170	289	2,260
PCB-131	< 54.3 U	< 24.9 U	< 0.731 U	< 285 U	< 452 U	< 78.9 U*	< 781 U	< 985 U	< 121 U	< 102 U	< 0.731 U	< 0.731 U
PCB-132/161	1,170	1,670	586	26,900	13,500	117,000	18,000	59,500	8,860	5,810	1,350	14,500
PCB-133/142	129 J	212 J	83.2 J	2,900	1,430	13,300	2,600	7,380	936	617	172	1,440
PCB-134/143	171 J	312	114	4,980	2,400	19,400	3,360	12,800	1,730	1,100	275	2,480
PCB-135	< 265 U*	< 636 U*	274	8,020	5,130	46,000	9,690	28,300	3,360	1,980	614	5,680
PCB-136	259	495	251	7,230	3,810	37,400	6,700	27,700	3,200	2,050	505	5,030
PCB-137	279	428	104	5,280	2,100	20,400	2,810	12,500	1,620	997	205	2,060
PCB-138/163/164	4,930	6,510	2,170	91,200	52,000	412,000	72,400	264,000	27,400	17,900	3,840	37,600
PCB-139/149	2,320	4,540	1,860	59,900	35,800	322,000	63,200	208,000	23,100	15,500	4,230	37,500
PCB-140	< 82.0 U	151	< 1.20 U	< 422 U*	< 293 U*	3,170	< 1,720 U	1,710	< 101 U	< 139 U	23.1 J	224
PCB-141	727	1,160	486	16,500	10,500	74,600	19,200	57,400	5,410	3,710	842	8,490
PCB-144	< 130 U*	< 217 U*	127	3,960	< 2,080 U*	15,600	4,720	< 11,900 U*	1,470	976	228	2,050
PCB-145	< 49.3 U	< 52.9 U	< 1.05 U	< 248 U	< 219 U	< 267 U	< 1,030 U	< 160 U*	< 60.7 U	< 83.5 U	< 1.05 U	< 1.05 U
PCB-146/165	454	836	284	9,870	5,920	53,600	10,700	27,800	3,220	2,180	557	5,800
PCB-147	< 72.2 U	< 142 U*	< 25.8 U*	1,330	539	11,600	< 1,510 U	3,920	442	258	80.7	620
PCB-148	< 79.6 U	< 85.5 U	< 1.45 U	< 400 U	< 354 U	792	< 1,670 U	< 935 U	< 97.9 U	< 135 U	< 1.45 U	51.5
PCB-150	< 59.3 U	< 63.7 U	< 0.801 U	< 298 U	< 264 U	1,770	< 1,240 U	< 697 U	< 73.0 U	< 100 U	< 0.801 U	68.4
PCB-151	495	959	596	13,000	9,040	78,800	17,700	56,000	5,770	4,140	1,120	10,600
PCB-152	< 53.1 U	< 57.0 U	< 0.744 U	< 267 U	< 236 U	< 663 U*	< 1,110 U	< 316 U*	< 65.3 U	< 89.9 U	< 0.744 U	56.3
PCB-153	3,000	5,180	1,870	67,300	40,600	331,000 J	65,400	206,000	21,100	14,400	3,550	36,900
PCB-154	< 69.0 U	166	28.4 J	747	628	8,500	< 1,450 U	1,990	< 268 U*	158	51.2	455
PCB-155	< 53.2 U	< 57.1 U	< 0.767 U	< 267 U	< 237 U	< 288 U	< 1,110 U	< 625 U	< 65.4 U	< 90.1 U	< 0.767 U	< 0.767 U
PCB-156	746	749	203	11,400	5,850	45,200	6,100	24,700	3,010	1,710	386	4,130
PCB-157	187	171	53.2	2,560	1,340	9,880	1,500	5,330	666	362	80.4	859
PCB-158/160	624	781	243	11,400	5,990	46,000	8,030	32,000	3,360	2,050	487	4,130
PCB-159	< 38.9 U	< 18.8 U	< 0.578 U	< 179 U	< 349 U	< 304 U	< 504 U	< 812 U	< 89.0 U	< 80.5 U	< 0.578 U	< 0.578 U
PCB-166	< 36.5 U	< 17.7 U	< 0.425 U	387	219	1,360	< 473 U	< 757 U	114	78.1 J	< 16.8 U*	124
PCB-167	285	339	77.0	4,180	2,190	17,400	< 2,980 U*	8,960	1,100	696	152	1,580
PCB-168	< 34.1 U	< 15.6 U	< 0.502 U	< 178 U	< 283 U	674	< 490 U	< 618 U	< 76.1 U	< 64.0 U	< 0.502 U	58.6
PCB-169	< 36.9 U	< 16.9 U	< 0.767 U	< 181 U	< 271 U	279	< 583 U	< 927 U	< 90.2 U	< 77.1 U	< 0.767 U	< 0.767 U
Total Heptachlorobiphenyl (ng/kg)[a]	5,490 J	10,700 J	7,550 J	171,000 J	131,000 J	950,000 J	267,000 J	674,000 J	51,700 J	39,500 J	12,100 J	128,000 J
PCB-170	873	1,370	698	20,500	16,800 J	123,000	27,800	73,600	6,500	4,430	1,340	15,500
PCB-171	222	275	184	4,440	3,430	28,100	6,070	18,300	1,580	1,180	325	3,510
PCB-172	108 J	243	130	3,110	2,450	16,300	5,560	10,700	881	676	198	2,130
PCB-173	< 50.8 U	< 66.6 U	< 0.507 U	390	293	3,020	< 1,050 U	2,180	229	119	43.6 J	< 329 U*
PCB-174	583	1,170	967	19,400	15,500	113,000	34,300	88,700	6,720	5,010	1,520	17,200
PCB-175	58.6 J	< 56.3 U	42.2 J	954	817	5,380	1,370	3,400	246	232	< 50.1 U*	567
PCB-176	65.9 J	135	120	2,210	1,760	12,600	3,410	9,940	803	599	180	1,670
PCB-177	377	792	526	11,500	9,260	70,900	19,700	47,900	3,790	2,920	869	9,360
PCB-178	148	307	197	3,870	< 2,980 U*	21,800	7,350	16,600	1,300	946	308	2,690
PCB-179	184	456	472	7,370	5,720	44,200	12,800	37,900	2,940	2,140	673	6,350
PCB-180	1,690	3,160	2,240	52,500	41,200	275,000 J	83,600	203,000	15,000	11,700	3,500	39,200
PCB-181	< 40.8 U	< 53.5 U	< 1.26 U	< 175 U	< 226 U	468	< 840 U	< 624 U	< 45.0 U	< 55.7 U	< 1.26 U	< 1.26 U
PCB-182/187	668	1,570	1,110	22,800	17,200	122,000	35,200	87,900	7,010	5,200	1,660	15,700
PCB-183	344	621	492	11,600	8,680	58,200	16,200	40,900	3,430	2,560	802	7,470
PCB-184	< 26.8 U	< 35.0 U	< 0.597 U	< 61.7 U*	< 168 U	< 143 U*	< 398 U	< 383 U	< 30.7 U	< 33.8 U	< 0.597 U	< 0.597 U
PCB-185	< 55.2 U*	103 J	104	1,700	1,260	9,050	2,830	7,860	589	497	133	1,580
PCB-186	< 30.1 U	< 39.2 U	< 0.421 U	< 129 U	< 189 U	< 159 U	< 447 U	< 430 U	< 34.4 U	< 37.9 U	< 0.421 U	< 0.421 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	DS-CB-I3	DS-TD-O1	PS-TS-01	SC-CB-24	SC-CB-35	SC-OWS-05	SP-CB-09	SP-OWS-01	ST-CB-04A	ST-CB-08	UG-MH-76	UG-MH-60
Collection Date	**12/16/2014**	**12/16/2014**	**9/9/2014**	**12/11/2014**	**12/11/2014**	**12/11/2014**	**10/8/2014**	**10/8/2014**	**2/10/2015**	**2/10/2015**	**9/11/2014**	**9/11/2014**
Analyte	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCB-188	< 28.1 U	< 36.1 U	< 0.759 U	112	< 174 U	441	< 411 U	< 395 U	< 31.6 U	< 34.9 U	< 0.759 U	< 0.759 U
PCB-189	54.1 J	< 72.7 U*	< 56.3 U*	824	927	4,770	1,300	< 2,580 U*	< 214 U*	< 185 U*	59.9	354
PCB-190	< 169 U*	292	129	4,060	3,140	23,400	5,730	15,200	< 1,140 U*	834	262	2,980
PCB-191	42.4 J	86.9 J	35.8 J	1,010	758	4,980	< 1,730 U*	< 2,890 U*	< 222 U*	< 180 U*	55.9	572
PCB-192	< 32.4 U	< 42.4 U	< 0.528 U	< 138 U	< 179 U	< 165 U	< 667 U	< 494 U	< 35.7 U	< 44.1 U	< 0.528 U	< 0.528 U
PCB-193	72.4 J	156	106	2,190	1,910	13,500	4,210	9,470	710	493	165	1,640
Total Octachlorobiphenyl (ng/kg)[a]	782 J	3,020 J	2,650 J	57,100 J	37,700 J	228,000	63,300	193,000	13,300 J	10,200 J	3,340 J	30,900
PCB-194	375	763	549	12,000	9,210	53,900	16,200	46,000	2,950	2,090	801	7,850
PCB-195	< 91.3 U*	242	206	3,820	3,080	20,400	6,390	17,700	1,280	826	324	3,120
PCB-196/203	< 350 U*	856	735	18,600	11,400	66,400	17,700	54,200	3,710	3,120	899	8,040
PCB-197	< 88.6 U	< 50.9 U	39.8 J	< 452 U*	352	2,310	< 823 U	1,820	< 143 U*	134	43.7 J	358
PCB-198	< 126 U	< 72.4 U	< 0.792 U	761	< 422 U*	2,530	< 1,170 U	1,720	228	< 109 U	40.6 J	480
PCB-199	407	751	728	14,900	9,510	56,700	16,300	49,700	3,380	2,660	813	6,960
PCB-200	< 89.5 U	98.5 J	92.2	1,670	998	6,440	2,260	5,950	447	328	101	1,000
PCB-201	< 82.7 U	120 J	132	1,860	1,100	6,690	1,580	6,120	487	356	111	1,100
PCB-202	< 87.8 U	193	172	2,940	1,530	10,100	2,850	8,460	704	621	166	1,690
PCB-204	< 83.6 U	< 48.0 U	< 0.543 U	< 239 U	< 297 U	< 172 U	< 773 U	< 712 U	< 71.5 U	< 72.6 U	< 0.543 U	< 0.543 U
PCB-205	< 50.2 U	< 36.9 U*	< 0.471 U	537	504	2,780	< 1,670 U	1,710	142	90.5 J	39.2 J	315
Total Nonachlorobiphenyl (ng/kg)[a]	316 J	816 J	566 J	12,500	5,960	39,400	5,460 J	11,600 J	1,960	1,860	443 J	3,230
PCB-206	222	570	440	8,950	4,250	28,300	5,460	11,600	1,400	1,330	306	2,190
PCB-207	< 22.4 U	63.6 J	< 54.8 U*	1,030	458	2,920	< 877 U	< 1,460 U*	194	153	45.9 J	345
PCB-208	94.0 J	182	126	2,470	1,250	8,170	< 851 U*	< 2,470 U*	366	378	90.9	690
Decachlorobiphenyl (ng/kg)	< 57.6 U	433	92.2	1,560	1,020	6,090	< 1,920 U	3,350	554	530	113	811
PCB-209	< 57.6 U	433	92.2	1,560	1,020	6,090	< 1,920 U	3,350	554	530	113	811
PCB TEQ, nd SDL*0	9.92 J	21.7 J	0.074 J	149	89.4	608	1.70 J	230 J	14.8 J	13.2 J	4.77 J	43.6
PCB TEQ, nd SDL*0.5	10.5 J	22.0 J	0.114 J	152	93.4	608	85.2 J	240 J	16.2 J	14.4 J	4.90 J	43.6
PCB TEQ, nd SDL*1	11.0 J	22.2 J	0.153 J	154	97.5	608	170 J	260 J	17.5 J	15.6 J	4.80 J	43.6

a - Total PCBs and total PCB homologs include only congeners that met identification criteria as required by EPA Method1668C.

PCB congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	UG-FD-01	WM-CB-03	WM-FD-02	WM-CB-21	WM-CB-52	WM-MH-61
Collection Date	9/11/2014	1/22/2014	1/22/2014	2/3/2015	2/3/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result
Total PCB Congeners (µg/kg)[a]	697 J	408 J	484 J	292 J	320 J	2,430 J
Total PCB Congeners (ng/kg)[a]	697,000 J	408,000 J	484,000 J	292,000 J	320,000 J	2,430,000 J
Total Monochlorobiphenyl (ng/kg)[a]	1,190	688 J	965 J	512 J	399 J	926
PCB-1	667	308	454	237	115 J	494
PCB-2	121	113 J	165 J	85.8 J	142	151
PCB-3	405	267	346	189	142	281
Total Dichlorobiphenyl (ng/kg)[a]	19,900	21,100 J	23,300	10,500 J	6,860 J	14,400
PCB-4/10	2,430	510	959	582	389	2,060
PCB-5/8	7,680	2,090	3,070	1,960	1,440	5,670
PCB-6	1,240	421	554	552	296	942
PCB-7/9	751	287	< 409 U	190 J	< 130 U	339
PCB-11	2,730	16,300	17,100	5,720	3,230	1,630
PCB-12/13	491	227 J	< 423 U	254	232 J	307
PCB-14	< 0.337 U	< 224 U	< 455 U	< 140 U	< 153 U	< 148 U
PCB-15	4,570	1,220	1,610	1,210	1,270	3,470
Total Trichlorobiphenyl (ng/kg)[a]	86,400 J	26,700	33,100 J	22,700	24,000 J	77,400 J
PCB-16/32	10,900	2,560	4,310	2,490	2,460	8,930
PCB-17	6,040	1,260	2,320	1,350	1,170	4,790
PCB-18	17,700	3,800	7,120	4,080	3,390	15,400
PCB-19	1,360 J	363	745	507	368	1,760
PCB-20/21/33	9,850	4,030	4,410	2,590	3,410	10,100
PCB-22	5,040	2,000	2,310	1,150	1,820	4,650
PCB-23	20.8 J	< 36.1 U	< 111 U	< 43.3 U	< 33.4 U	< 49.3 U
PCB-24/27	1,200	268	447 J	474	291	1,110
PCB-25	1,160	411	383	678	369	942
PCB-26	2,500	990	< 866 U*	1,350	865	2,650
PCB-28	10,300	3,230	3,520	2,650	2,990	8,860
PCB-29	161	< 42.7 U	< 131 U	< 51.2 U	< 41.9 U*	113 J
PCB-30	< 0.355 U	< 31.6 U	< 118 U	< 35.9 U	< 23.0 U	< 30.3 U
PCB-31	13,900	5,450	5,350	3,660	4,080	13,100
PCB-34	109	< 40.6 U	< 124 U	< 48.7 U	< 37.6 U	< 55.5 U
PCB-35	317	320	< 322 U*	245	229	325
PCB-36	40.4 J	< 65.7 U	< 131 U	< 58.2 U	66.4 J	< 47.3 U
PCB-37	5,700	2,020	2,180	1,470	2,520	4,710
PCB-38	122 J	< 62.6 U	< 124 U	< 55.4 U	< 41.6 U	< 45.1 U
PCB-39	0.461 UJ	< 67.3 U	< 134 U	< 59.6 U	< 44.7 U	< 48.5 U
Total Tetrachlorobiphenyl (ng/kg)[a]	121,000 J	54,300	66,000 J	49,500 J	68,200 J	373,000 J
PCB-40	2,610	655	1,610	1,030	1,570	4,830
PCB-41/64/71/72	11,200	3,870	6,320	4,670	6,150	23,200
PCB-42/59	4,170	1,590	2,110	1,600	1,990	5,460
PCB-43/49	10,400	4,230	5,020	5,590	5,230	28,900
PCB-44	13,800	6,490	8,100	5,450	7,520	54,600
PCB-45	2,590 J	887	1,140	837	1,100	2,870
PCB-46	1,090 J	370	596	417	472	1,260
PCB-47	3,270	1,360	1,490	1,370	1,380	4,180
PCB-48/75	2,600	982	< 1,060 U*	823	1,110	3,070
PCB-50	44.1 J	< 67.3 U	< 200 U	< 58.8 U	< 59.9 U	48.6 J
PCB-51	751 J	246	< 344 U*	440	342	746
PCB-52/69	15,200	8,340	10,600	8,250	9,850	98,000
PCB-53	1,990 J	696	1,030	1,150	870	3,600
PCB-54	49.1 J	< 53.7 U	< 160 U	< 47.0 U	< 47.8 U	< 42.3 U*
PCB-55	359	176	232 J	167	229	879

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	UG-FD-01	WM-CB-03	WM-FD-02	WM-CB-21	WM-CB-52	WM-MH-61
Collection Date	9/11/2014	1/22/2014	1/22/2014	2/3/2015	2/3/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result
PCB-56/60	9,040	3,920	4,840	2,630	5,800	14,900
PCB-57	75.0	< 63.0 U	< 179 U	47.3 J	< 60.4 U*	83.1 J
PCB-58	38.2 J	< 66.5 U	< 189 U	< 62.1 U	< 68.9 U	46.5 J
PCB-61/70	19,900	10,800	11,900	7,480	12,100	82,100
PCB-62	< 0.597 U	< 73.4 U	< 182 U	< 62.7 U	< 56.2 U	< 94.7 U
PCB-63	580	226	260	209	273	1,030
PCB-65	< 0.842 U	< 73.2 U	< 181 U	< 62.5 U	< 56.0 U	< 94.4 U
PCB-67	12,800	195	213 J	221	< 253 U*	501
PCB-68	429	< 66.5 U	< 165 U	96.5 J	49.0 J	31.1 J
PCB-73	88.6	< 67.0 U	< 185 U	< 57.1 U	< 52.9 U	< 86.3 U
PCB-74	< 0.454 U	2,500	2,900	1,850	3,200	14,400
PCB-76/66	5,760	5,370	6,220	4,290	7,370	24,200
PCB-77	1,720	1,070	1,140	623	1,340	2,250
PCB-78	< 0.385 U	< 63.2 U	< 155 U	< 56.3 U	< 62.5 U	< 79.2 U
PCB-79	358	170	268	242	193	1,320
PCB-80	< 0.336 U	< 55.6 U	< 139 U	< 51.4 U	< 56.1 U	< 69.7 U
PCB-81	86.2	153	< 81.9 U*	56.9 J	96.4 J	357
Total Pentachlorobiphenyl (ng/kg)[a]	180,000 J	124,000 J	149,000 J	92,800 J	106,000 J	1,130,000 J
PCB-82	3,610	2,680	3,270	1,950	2,440	21,200
PCB-83	< 0.440 U	< 88.8 U	< 376 U	< 71.5 U	< 70.3 U	< 75.4 U
PCB-84/92	11,000	7,940	9,260	6,210	7,240	83,200
PCB-85/116	4,330	2,480	3,460	2,010	2,630	24,300
PCB-86	< 1.79 U	< 160 U	< 677 U	< 129 U	< 127 U	338
PCB-87/117/125	10,400	7,510	10,200	5,500	6,420	70,600
PCB-88/91	3,870	2,260	2,360	2,210	2,190	21,900
PCB-89	212	102 J	< 378 U	89.4 J	< 126 U*	945
PCB-90/101	27,900	21,300	25,300	15,300	17,500	197,000
PCB-93	< 1.42 U	< 141 U	< 416 U	< 124 U	< 110 U	< 119 U
PCB-94	0.874 J	< 112 U	< 332 U	< 99.2 U	< 87.8 U	612
PCB-95/98/102	22,700	14,700	15,600	10,800	12,300	147,000
PCB-96	203	< 98.7 U	< 236 U	< 60.6 U*	< 107 U*	575
PCB-97	8,650	5,830	7,610	4,440	5,070	53,800
PCB-99	8,980	6,150	7,520	5,190	5,670	59,300
PCB-100	< 0.511 U	< 120 U	< 286 U	< 85.5 U	< 58.9 U*	< 215 U*
PCB-103	282	< 117 U	< 280 U	148	92.7 J	719
PCB-104	< 0.876 U	< 94.8 U	< 227 U	< 67.7 U	< 56.3 U	< 70.6 U
PCB-105	10,300	8,290	8,760	4,880	6,740	55,700
PCB-106/118	28,000	19,100	23,200	13,900	16,400	155,000
PCB-107/109	1,640	1,090	1,180	979	991	8,630
PCB-108/112	1,380	796	1,190	649	772	8,000
PCB-110	33,000	21,400	28,000	16,700	17,900	203,000
PCB-111/115	502	424	< 393 U*	215 J	< 248 U*	2,850
PCB-113	215 UJ	< 85.3 U	< 303 U	< 67.0 U	< 68.6 U	< 77.7 U
PCB-114	542	370	573	265	324	3,080
PCB-119	567	288	445	352	248	2,130
PCB-120	< 0.622 U	< 80.4 U	< 340 U	< 64.8 U	< 37.4 U	287
PCB-121	< 0.978 U	< 73.6 U	< 217 U	< 64.9 U	< 57.5 U	< 62.0 U
PCB-122	290	230	< 434 U	139	164	1,520
PCB-123	339	305	1,160	203	< 90.8 U	1,950
PCB-124	983	760	< 254 U	559	592	6,040
PCB-126	302	230	291	137	174	668
PCB-127	< 0.326 U	< 96.6 U	< 329 U	< 27.4 U	< 98.3 U	< 74.2 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	UG-FD-01	WM-CB-03	WM-FD-02	WM-CB-21	WM-CB-52	WM-MH-61
Collection Date	9/11/2014	1/22/2014	1/22/2014	2/3/2015	2/3/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result
Total Hexachlorobiphenyl (ng/kg)[a]	156,000	105,000	123,000 J	71,700 J	74,400 J	673,000 J
PCB-128/162	5,190	3,950	5,230	2,830	3,440	31,800
PCB-129	1,670	1,380	1,730	1,070	1,190	11,900
PCB-130	1,860	1,360	1,680	1,170	1,130	10,500
PCB-131	< 0.731 U	< 73.4 U	< 373 U	< 42.1 U	< 195 U	< 63.3 U
PCB-132/161	10,500	8,110	8,180	5,190	5,630	53,000
PCB-133/142	1,130	791	920	684	615	6,050
PCB-134/143	1,990	1,380	1,690	1,110	1,130	11,100
PCB-135	4,300	2,810	2,840	1,950	1,710	17,600
PCB-136	3,870	2,530	< 2,590 U*	1,690	1,500	17,000
PCB-137	1,670	1,320	1,510	1,020	1,350	11,800
PCB-138/163/164	31,900	24,100	28,600	15,800	18,400	154,000
PCB-139/149	29,600	17,900	22,000	12,500	10,600	111,000
PCB-140	204	< 132 U	< 376 U	< 92.2 U	< 85.8 U*	877
PCB-141	6,660	4,990	6,110	3,120	3,600	26,800
PCB-144	1,680	861	1,300	< 642 U*	481	6,170
PCB-145	< 1.05 U	< 79.1 U	< 226 U	< 55.4 U	< 85.5 U	73.2 J
PCB-146/165	4,700	2,680	3,350	2,090	2,110	16,800
PCB-147	566	372	< 332 U	384	< 165 U*	3,290
PCB-148	65.4	< 128 U	< 365 U	< 89.5 U	< 138 U	< 81.4 U
PCB-150	66.9	< 95.1 U	< 272 U	< 66.7 U	< 103 U	168
PCB-151	8,310	5,010	5,960	3,220	2,340	21,700
PCB-152	< 0.744 U	< 85.1 U	< 244 U	< 59.7 U	< 92.1 U	< 154 U*
PCB-153	31,000	18,700	23,200	12,800	13,400	110,000
PCB-154	461	194	< 317 U	< 250 U*	171	1,150
PCB-155	< 0.767 U	< 85.0 U	< 245 U	< 59.8 U	< 92.3 U	< 54.4 U
PCB-156	3,130	2,710	3,300	1,890	2,150	19,100
PCB-157	664	547	736	437	444	4,090
PCB-158/160	3,500	2,710	3,590	1,990	2,100	20,000
PCB-159	< 0.578 U	< 64.7 U	< 279 U	< 34.7 U	< 96.9 U	< 49.2 U
PCB-166	105	< 60.7 U	< 262 U	< 32.5 U	< 90.9 U	850
PCB-167	1,290	881	1,220	691	854	6,140
PCB-168	< 0.502 U	< 45.8 U	< 234 U	< 26.3 U	< 71.6 U	152
PCB-169	< 0.767 U	< 91.6 U	< 244 U	< 39.9 U	< 129 U	< 45.4 U
Total Heptachlorobiphenyl (ng/kg)[a]	101,000	51,600 J	60,200 J	31,000 J	30,700	140,000 J
PCB-170	10,700	5,360	5,760	3,460	3,710	20,400
PCB-171	2,610	1,520	1,640	799	977	5,030
PCB-172	1,580	848	1,010	493	626	2,590
PCB-173	298	< 159 U*	282	< 101 U	< 122 U	601
PCB-174	12,800	7,380	7,650	3,640	4,140	16,700
PCB-175	430	< 776 U*	278	< 148 U*	170	726
PCB-176	1,430	783	917	433	387	2,080
PCB-177	7,440	4,010	3,960	2,070	2,480	10,600
PCB-178	2,330	1,170	1,500	810	679	2,850
PCB-179	5,280	3,020	3,640	1,870	1,330	6,420
PCB-180	30,000	15,200	17,900	9,310	9,240	39,300
PCB-181	< 1.26 U	< 122 U	< 302 U	< 81.1 U	< 98.3 U	293
PCB-182/187	14,100	6,720	9,060	4,700	3,570	14,800
PCB-183	6,450	3,080	4,040	2,180	1,720	9,340
PCB-184	< 0.597 U	< 49.7 U	< 163 U	< 48.8 U	< 46.3 U	< 30.6 U
PCB-185	1,230	658	< 731 U*	< 328 U*	382	1,180
PCB-186	< 0.421 U	< 55.8 U	< 183 U	< 54.8 U	< 51.9 U	< 34.3 U

Table 12. Solids Sample Results - PCB Congeners
NPDES Inspection Sampling Support

Location ID	UG-FD-01	WM-CB-03	WM-FD-02	WM-CB-21	WM-CB-52	WM-MH-61
Collection Date	9/11/2014	1/22/2014	1/22/2014	2/3/2015	2/3/2015	2/3/2015
Analyte	Result	Result	Result	Result	Result	Result
PCB-188	< 0.759 U	< 51.3 U	< 168 U	< 50.4 U	< 47.8 U	< 40.4 U*
PCB-189	439	238	309	198	147	980
PCB-190	2,000	841	1,180	605	562	3,500
PCB-191	453	164	338	< 140 U*	174	868
PCB-192	< 0.528 U	< 96.5 U	< 239 U	< 64.3 U	< 78.0 U	< 37.2 U
PCB-193	1,260	619	730	411	367	1,690
Total Octachlorobiphenyl (ng/kg)[a]	26,800	16,800 J	19,900 J	9,940 J	6,760 J	19,900 J
PCB-194	6,280	3,950	4,350	2,120	1,770	5,010
PCB-195	2,400	1,280	1,530	710	689	2,050
PCB-196/203	7,470	4,410	5,980	3,000	1,970	5,830
PCB-197	291	< 145 U*	< 445 U	133	< 99.9 U	210
PCB-198	355	541	< 633 U	< 156 U	< 113 U*	202
PCB-199	6,480	4,100	5,450	2,820	1,580	4,940
PCB-200	921	500	974	399	< 134 U*	635
PCB-201	912	611	< 620 U*	< 377 U*	269	< 549 U*
PCB-202	1,380	1,420	1,590	759	480	837
PCB-204	< 0.543 U	< 116 U	< 420 U	< 103 U	< 94.4 U	< 60.4 U
PCB-205	301	< 145 U	< 201 U	< 96.5 U	< 131 U	202
Total Nonachlorobiphenyl (ng/kg)[a]	3,820	5,730	6,140	2,080	1,960 J	3,330
PCB-206	2,870	4,040	4,390	1,470	1,440	2,430
PCB-207	293	448	434	228	< 160 U*	230
PCB-208	656	1,240	1,320	382	519	672
Decachlorobiphenyl (ng/kg)	804	1,790	2,130	1,290	540	751
PCB-209	804	1,790	2,130	1,290	540	751
PCB TEQ, nd SDL*0	31.7	24.1	30.4 J	14.5 J	18.4 J	74.5
PCB TEQ, nd SDL*0.5	31.8	25.5	34.1 J	15.1 J	20.3 J	75.2
PCB TEQ, nd SDL*1	31.8	26.9	37.7 J	15.7 J	22.2 J	75.9

a - Total PCBs and total PCB homologs include only congeners that met identification criteria as required by EPA Method1668C.

PCB congeners identified with a U* qualifier were tagged as "estimated maximum possible concentrations" by the laboratory. This was changed to non-detect (U) during data validation.

Attachment 1
Data Validation Report

DATA VALIDATION REPORT

LDW NPDES SAMPLING SUPPORT

Prepared for:

Leidos
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

Prepared by:

EcoChem, Inc.
1011 Western Avenue, Suite 1011
Seattle, Washington 98104

EcoChem Project: C4153-2

April 28, 2015

Approved for Release

Christine Ransom
Project Manager
EcoChem, Inc.

PROJECT NARRATIVE

Basis for Data Validation

This report summarizes the results of the data validation performed on whole water samples, storm water sediment samples, and quality control (QC) sample data for the Lower Duwamish Waterway National Pollutant Discharge Elimination System Investigation. All fractions received a compliance level of review (EPA Stage 2A). A complete list of samples is provided in the **Sample Index**.

Dioxin/Furan and PCB Congener analyses were performed by Vista Analytical, El Dorado Hills, California. The analyses for all other fractions were performed by Test America Laboratories, Tacoma, Washington. The analytical methods and EcoChem project chemists are listed below.

Analysis	Method of Analysis	Primary Review	Secondary Review
Dioxin/Furans	EPA 1613B	M. Swanson	C. Ransom A. Bodkin
PCB Congeners	1668C	M. Swanson	C. Ransom A. Bodkin
Volatile Organic Compounds (VOC)	SW8260C	M. Swanson M. Failor A. Bodkin	M. Swanson M. Failor C. Ransom
Semivolatile Organic Compounds (SVOC)	SW8270	M. Swanson M. Failor A. Bodkin	M. Swanson M. Failor C. Ransom
PCB Aroclors	SW8082	M. Swanson M. Sam M. Failor A. Bodkin	M. Swanson M. Failor C. Ransom
Total Petroleum Hydrocarbons – Diesel Range	NWTPH-Dx	M. Swanson M. Sam M. Failor R. Hedelund	M. Swanson M. Failor C. Ransom
Total Petroleum Hydrocarbons – Gasoline Range	NWTPH-Gx	M. Swanson M. Sam M. Failor R. Hedelund	M. Swanson M. Failor C. Ransom
Metals and Mercury	SW6020, EPA 200.8, SW7470A, SW7471A	C. Frans M. Swanson M. Failor R. Hedelund	M. Swanson M. Failor C. Ransom
Conventionals	EPA1664A, EPA120.1, EPA245.1, EPA300.0, EPA310.1, Plumb81PS, SM2130B, SM2540D, SM4500H + B, SM5310B, SW9060	C. Frans M. Swanson M. Failor R. Hedelund	M. Swanson M. Failor C. Ransom

The data were reviewed using guidance and quality control criteria documented in the analytical methods; The *LDW NPDES Inspection Sampling Support Project – Sampling and Analysis Plan and Quality Assurance Project Plan (*Leidos, September 2014*); USEPA National Functional Guidelines for Organic Data Review* (EPA, 2008); *USEPA National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (EPA, 2011); and *USEPA National Functional Guidelines for Inorganic Data Review* (EPA, 1994, 2010).

EcoChem's goal in assigning data validation qualifiers is to assist in proper data interpretation. If values are estimated (assigned a J), data may be used for site evaluation purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. Data that have been rejected (R) or flagged do-not-report (DNR) should not be used for any purpose. Values with no data qualifier meet all data quality goals as outlined in the EPA Functional Guidelines..

Data qualifier definitions, reason codes, and validation criteria are included as **Appendix A**. **Appendix B** contains the Qualified Data Summary Table. Data validation worksheets are kept on file at EcoChem. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Test America
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Matrix	VOC	SVOC	PCB	TPH-Dx	TPH-Gx	Metals	Conv
J45232-1	QC-EB-01-20140903-W	580-45232-1	EB	✓	✓	✓	✓	✓	✓	✓
J45232-1	CS-TS-01-20140903-W	580-45232-2	Water		✓				✓	✓
J45232-1	CS-SP-01-20140903-W	580-45232-3	Water		✓				✓	✓
J45232-1	CS-CB-01-20140903-S	580-45232-4	Sediment		✓	✓	✓		✓	✓
J45232-2	CS-CB-01-20140903-S	580-45232-4	Sediment							✓
J45294-1	QC-EB-02-20140909-W	580-45294-1	EB							✓
J45294-1	PS-TS-01-20140909-W	580-45294-2	Water		✓				✓	✓
J45294-1	PS-OS-01-20140909-W	580-45294-3	Water		✓				✓	✓
J45294-2	PS-TS-01-20140909-W	580-45294-2	Water							✓
J45295-1	PS-TS-01-20140909-S	580-45295-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J45354-1	UG-MH-60-20140914-W	580-45354-1	Water		✓				✓	✓
J45354-1	UG-MH-60-20140911-S	580-45354-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J45354-1	UG-FD-01-20140911-S	580-45354-3	Sediment	✓	✓	✓	✓	✓	✓	✓
J45354-1	UG-MH-76-20140911-S	580-45354-4	Sediment	✓	✓	✓	✓	✓	✓	✓
J45834-1	SP-OWS-01-20141008-W	580-45834-1	Water		✓				✓	✓
J45835-1	SP-OWS-01-20141008-S	580-45835-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J45835-1	SP-OWS-09-20141008-S	580-45835-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J45906-1	CC-A-01-2014013-W	580-45906-1	Water		✓				✓	✓
J45906-1	CC-FD-02-2014013-W	580-45906-2	Water		✓				✓	✓
J45906-1	CC-A-01-2014013-S	580-45906-3	Sediment		✓	✓	✓		✓	
J45906-1	CC-CB-04-2014013-S	580-45906-4	Sediment	✓	✓	✓	✓	✓	✓	✓
J45906-1	CC-CB-22-2014013-S	580-45906-5	Sediment		✓	✓	✓		✓	✓
J46021-1	IA-MHS-05-20141020-W	580-46021-1	Water		✓				✓	✓
J46021-1	IA-CBN-60-20141020-W	580-46021-2	Water		✓				✓	✓
J46021-1	IA-CV-01-20141020-W	580-46021-3	Water		✓				✓	✓
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J46549-1	BD-OWS-15-20141203-S	580-46549-3	Sediment	✓	✓	✓	✓	✓	✓	✓
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J46558-1	BD-OWS-02-20141203-W	580-46558-2	Water		✓				✓	✓
J46690-1	SC-OWS-05-20141211-S	580-46690-1	Sediment		✓	✓	✓		✓	✓
J46690-1	SC-CB-35-20141211-S	580-46690-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J46690-1	SC-CB-24-20141211-S	580-46690-3	Sediment	✓	✓	✓	✓	✓	✓	✓
J46690-1	SC-MH-20-20141211-W	580-46690-4	Water		✓				✓	✓
J46717-1	BD-MH-11.31-20141215-W	580-46717-1	Water		✓				✓	✓
J46717-1	BD-MH-5.16-20141215-W	580-46717-2	Water		✓				✓	✓
J46739-1	DS-CB-F3-20141216-W	580-46739-1	Water						✓	✓
J46739-1	DS-TD-O1-20141216-S	580-46739-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J46739-1	DS-CB-I3-20141216-S	580-46739-3	Sediment		✓	✓	✓	✓	✓	✓
J46739-1	DS-CB-H1-20141216-S	580-46739-4	Sediment		✓	✓	✓	✓	✓	✓
J46851-1	BD-OWS-14-20141222-W	580-46851-1	Water		✓				✓	✓
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	Water		✓				✓	✓
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	Water		✓				✓	✓
J46851-1	QC-EB-02-20141222-W	580-46851-4	EB		✓	✓			✓	
J47133-1	AS-CB-UNK-20150120-W	580-47133-1	Water		✓				✓	✓

Sample Index
Test America
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Matrix	VOC	SVOC	PCB	TPH-Dx	TPH-Gx	Metals	Conv
J47135-1	AS-CB-02-20150120-S	580-47135-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J47135-1	AS-CB-05-20150120-S	580-47135-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	Sediment	✓	✓	✓	✓	✓	✓	✓
J47135-1	TB-20150120	580-47135-4	TB	✓				✓		
J47171-1	WM-CB-03-20150122-S	580-47171-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J47171-1	WM-FD-02-20150122-S	580-47171-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J47171-1	WM-FT-1B-20150122-W	580-47171-3	Water		✓				✓	✓
J47345-1	WM-CB-11-20150203-W	580-47345-1	Water		✓				✓	✓
J47345-1	WM-MH-61-20150203-S	580-47345-2	Sediment		✓	✓	✓		✓	✓
J47345-1	WM-CB-52-20150203-S	580-47345-3	Sediment	✓	✓	✓	✓	✓	✓	✓
J47345-1	WM-CB-21-20150203-S	580-47345-4	Sediment		✓	✓	✓		✓	✓
J47459-1	ST-CB-08-20150210-S	580-47459-1	Sediment	✓	✓	✓	✓	✓	✓	✓
J47459-1	ST-CB-04A-20150210-S	580-47459-2	Sediment	✓	✓	✓	✓	✓	✓	✓
J47459-1	ST-TS-01-20150210-W	580-47459-3	Water		✓				✓	✓
J47459-1	ST-FD-02-20150210-W	580-47459-4	Water		✓				✓	✓
J47459-1	ST-0F-01-20150210-W	580-47459-5	Water		✓				✓	✓

Sample Index
Vista Analytical
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Matrix	Dioxins	PCB Congeners
1400647	QC-EB-01-20140903-W	1400647-01	Water	✓	✓
1400647	CS-TS-01-20140903-W	1400647-02	Water	✓	✓
1400647	CS-SP-01-20140903-W	1400647-03	Water	✓	✓
1400647	CS-CB-01-20140903-S	1400647-04	Sediment	✓	✓
1400659	PS-TS-01-20140909-W	1400659-01	Water	✓	✓
1400659	PS-OS-01-20140909-W	1400659-02	Water	✓	✓
1400659	PS-TS-01-20140909-S	1400659-03	Sediment	✓	✓
1400665	UG-MH-76-20140911-S	1400665-01	Sediment	✓	✓
1400665	UG-MH-60-20140911-S	1400665-02	Sediment	✓	✓
1400665	UG-FD-01-20140911-S	1400665-03	Sediment	✓	✓
1400665	UG-MH-60-20140911-W	1400665-04	Water	✓	✓
1400737	SP-OWS-01-20141008-W	1400737-01	Water	✓	✓
1400737	SP-OWS-01-20141008-S	1400737-02	Sediment	✓	✓
1400737	SP-CB-09-20141008-S	1400737-03	Sediment	✓	✓
1400762	CC-A-01-20141013-W	1400762-01	Water	✓	✓
1400762	CC-FD-02-20141013-W	1400762-02	Water	✓	✓
1400762	CC-A-01-20141013-S	1400762-03	Sediment	✓	✓
1400762	CC-CB-04-20141013-S	1400762-04	Sediment	✓	✓
1400762	CC-CB-22-20141013-S	1400762-05	Sediment	✓	✓
1400781	IA-MHS-05-20141020-W	1400781-01	Water	✓	✓
1400781	IA-CBN-60-20141020-W	1400781-02	Water	✓	✓
1400781	IA-CV-01-20141020-W	1400781-03	Water	✓	✓
1400915	BD-OWS-02-20141203-W	1400915-01	Water	✓	✓
1400915	BD-MH-9.66-20141203-S	1400915-02	Sediment	✓	✓
1400915	BD-OWS-15-20141203-S	1400915-03	Sediment	✓	✓
1400915	BD-MH-10.9-20141203-S	1400915-04	Sediment	✓	✓
1400915	BD-MH-13.43-20141202-S	1400915-05	Sediment	✓	✓
1400948	SC-OWS-05-20141211-S	1400948-01	Sediment	✓	✓
1400948	SC-CB-35-20141211-S	1400948-02	Sediment	✓	✓
1400948	SC-CB-24-20141211-S	1400948-03	Sediment	✓	✓
1400948	SC-MH-20-20141211-W	1400948-04	Water	✓	✓
1400958	BD-MH-11.31-20141215-W	1400958-01	Water	✓	✓
1400958	BD-MH-5.16-20141215-W	1400958-02	Water	✓	✓
1400970	DS-CB-F3-20141216-W	1400970-01	Water	✓	✓
1400970	DS-TD-01-20141216-S	1400970-02	Sediment	✓	✓
1400970	DS-CB-I3-20141216-S	1400970-03	Sediment	✓	✓
1400970	DS-CB-H1-20141216-S	1400970-04	Sediment	✓	✓
1400984	BD-OWS-14-20141222-W	1400984-01	Water	✓	✓
1400984	BD-MH-12.56-20141222-W	1400984-02	Water	✓	✓
1400984	BD-MH-1.32-20141222-W	1400984-03	Water	✓	✓
1400984	QC-EB-02-20141222-W	1400984-04	Water	✓	✓
1500108	AS-CB-02-20150120-S	1500108-01	Sediment	✓	✓

Sample Index
Vista Analytical
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Matrix	Dioxins	PCB Congeners
1500108	AS-CB-05-20150120-S	1500108-02	Sediment	✓	✓
1500108	AS-CB-UNR-20150120-S	1500108-03	Sediment	✓	✓
1500108	AS-CB-UNR-20150120-W	1500108-04	Water	✓	✓
1500116	WM-CB-03-20150122-S	1500116-01	Sediment	✓	✓
1500116	WM-FD-02-20150122-S	1500116-02	Sediment	✓	✓
1500116	WM-FT-IB-20150122-W	1500116-03	Water	✓	✓
1500147	WM-CB-11-20150203-W	1500147-01	Water	✓	✓
1500147	WM-MH-61-20150203-S	1500147-02	Sediment	✓	✓
1500147	WM-CB-52-20150203-S	1500147-03	Sediment	✓	✓
1500147	WM-CB-21-20150203-S	1500147-04	Sediment	✓	✓
1500166	ST-TS-01-20150210-W	1500166-01	Water	✓	✓
1500166	ST-FD-02-20150210-W	1500166-02	Water	✓	✓
1500166	ST-OF-01-20150210-W	1500166-03	Water	✓	✓
1500166	ST-CB-08-20150210-S	1500166-04	Sediment	✓	✓
1500166	ST-CB-04A-20150210-S	1500166-05	Sediment	✓	✓

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Dioxin & Furan Compounds by EPA Method 1613B

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Vista Analytical Laboratory, El Dorado Hills, California, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	DV Level
1400647	1 Sediment & 1 Equipment Blank	EPA Stage 2A
1400659	1 Sediment	EPA Stage 2A
1400665	3 Sediment	EPA Stage 2A
1400737	2 Sediment	EPA Stage 2A
1400762	3 Sediment	EPA Stage 2A
1400915	4 Sediment	EPA Stage 2A
1400948	3 Sediment	EPA Stage 2A
1400970	3 Sediment	EPA Stage 2A
1400984	1 Equipment Blank	EPA Stage 2A
1500108	3 Sediment	EPA Stage 2A
1500116	2 Sediment	EPA Stage 2A
1500147	3 Sediment	EPA Stage 2A
1500166	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO LABORATORY DATA PACKAGE VERIFICATION

A complete (100%) verification of the electronic data deliverable (EDD) results was performed by comparison to the laboratory data package. Laboratory QC results were also verified (10%). No errors were found.

III. TECHNICAL DATA VALIDATION

The QC requirements reviewed are summarized in the following table:

✓	Sample Receipt, Preservation, and Holding Times	**1**	Laboratory Duplicate Samples
✓	System Performance and Resolution Checks	**1**	Field Duplicates
1	Method Blanks	✓	Target Analyte List
1	Field Blanks	**2**	Reported Results
✓	Labeled Compound Recovery	**2**	Compound Identification
✓	Ongoing Precision and Recovery (OPR)		

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

SDG 1400659: The jar for Sample PS-TS-01-20140909-S was broken during shipment. The sample was homogenized and transferred to a new container. The client authorized the laboratory to proceed with analysis.

Method Blanks

In order to assess the impact of blank contamination on the reported sample results, action levels were established at five times the blank concentrations. Results in the associated field samples that were less than the action levels were qualified as not detected (U-7) at the reported concentrations. No action was taken for results greater than the action levels or for non-detects.

The laboratory assigned an "EMPC" flag to an analyte result when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications, but are "estimated maximum possible concentrations". When a result in the method blank had an "EMPC" flag, the result was treated as a non-detect at an elevated detection limit; therefore no action level was established for these analytes.

Although one or more target analytes were detected in the method blanks, all associated results were either not detected or detected at concentrations greater than the action levels; no data were qualified.

Field Blanks

SDG 1400647: Sample QC-EB-01-20140903-W was submitted as a field blank. No target analytes were detected in this sample.

SDG 1400984: Sample QC-EB-02-20141222-W was submitted as a field blank. No target analytes were detected in this sample.

Laboratory Duplicates

Laboratory duplicates were not analyzed due to insufficient sample available. Laboratory precision from batch to batch was acceptable as indicated by the acceptable ongoing precision and recovery (OPR) standard results. Precision within the analytical batches could not be evaluated.

Field Duplicates

The relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). The difference between the sample and duplicate must be less than 2x the RL for results less than 2x the RL.

SDG 1400665: One set of field duplicates, UG-MH-60-20140911-S and UG-FD-01-20140911-S, were submitted. The RPD values were within control limits. Field precision was acceptable.

SDG 1500116: One set of field duplicates, WM-CB-03-20150122-S and M-FD-23-20150122-S, were submitted. The RPD values were within control limits. Field precision was acceptable.

Reported Results

The compound OCDD exceeded the calibration range of the instrument in several samples. The laboratory flagged these results with an "E". The samples were not re-analyzed at dilution. Results that were over the calibration range were estimated (J-20). The compound OCDD was qualified in the following samples:

SDG	Sample ID
1400665	UG-MH-60-20140911-S UG-FD-01-20140911-S
1400737	SP-CB-09-20141008-S
1400915	BD-MH-10.9-20141203-S
1400970	DS-TD-01-20141216-S DS-CB-H1-20141216-S
1500116	WM-CB-03-20150122-S WM-FD-02-20150122-S
1500147	WM-MH-61-20150203-S WM-CB-21-20150203-S
1500166	ST-CB-04A-20150210-S ST-CB-08-20150210-S

SDG 1400737: Results for 1,2,3,4,6,7,8-HpCDD, OCDD, 1,2,3,4,6,7,8-HpCDF, and OCDF in Sample SP-OWS-01-20141008-S exceeded the calibration range of the instrument. The laboratory flagged these results with an "E". This sample was re-analyzed at dilution (20x), only OCDD was reported from the dilution analyses; this result exceeded the calibration range and was "E" flagged. All "E" flagged results were estimated (J-20).

SDG 1400948: Results for 1,2,3,4,6,7,8-HpCDD, OCDD, 1,2,3,4,6,7,8-HpCDF, and OCDF in Sample SP-OWS-05-20141211-S exceeded the calibration range of the instrument. The result for OCDD in Sample SP-CB-24-20141211-S exceeded the calibration range of the instrument. Results for 1,2,3,4,6,7,8-HpCDD and OCDD in Sample SP-CB-35-20141211-S exceeded the calibration range of the instrument. The laboratory flagged these results with an "E". All "E" flagged results were estimated (J-20).

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF using a second GC column as the DB-5 column that is typically used cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. The laboratory performed confirmation analyses using a DB-225 column. Where necessary, only results from the confirmation analysis were reported for 2,3,7,8-TCDF.

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore the result cannot be considered as positive identification for the analyte. The EMPC values were qualified as not detected (U-25) to indicate that the result is not-detected at an elevated reporting limit. The EMPC values for total homolog groups were qualified as estimated (J-25) at the reported values.

Several samples exhibited diphenyl ether interferences. The laboratory assigned a "P" flag to these results. Results for congeners or homolog groups affected by the diphenyl ether co-elutions were estimated (J-23H) to indicate a potential high bias.

SDG	Sample ID	Analyte	Qualifier
1400665	UG-MH-60-20140911-S UG-FD-01-20140911-S	Total PeCDF	J-23H
1400737	SP-OWS-01-20141008-S	Total TCDF Total PeCDF	J-23H
1400948	SC-OWS-05-20141211-S	Total TCDF Total PeCDF Total HxCDF	J-23H
	SC-CB-35-20141211-S	Total PeCDF	J-23H

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound and OPR standard recoveries. Precision was acceptable as demonstrated by the field duplicate RPD values.

Detection limits were elevated based on ion ratio outliers. Results were estimated due to diphenyl ether interference and because the calibration range was exceeded. Total homolog group results that included EMPC values were also estimated.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Dioxin & Furan Compounds by EPA Method 1613B

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. Vista Analytical Laboratory, El Dorado Hills, California, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	DV Level
1400647	2 Water & 1 Equipment Blank	EPA Stage 2A
1400659	2 Water	EPA Stage 2A
1400665	1 Water	EPA Stage 2A
1400737	1 Water	EPA Stage 2A
1400762	2 Water	EPA Stage 2A
1400781	3 Water	EPA Stage 2A
1400915	1 Water	EPA Stage 2A
1400948	1 Water	EPA Stage 2A
1400958	2 Water	EPA Stage 2A
1400970	1 Water	EPA Stage 2A
1400984	3 Water 1 Equipment Blank	EPA Stage 2A
1500108	1 Water	EPA Stage 2A
1500116	1 Water	EPA Stage 2A
1500147	1 Water	EPA Stage 2A
1500166	3 Water	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO LABORATORY DATA PACKAGE VERIFICATION

A complete (100%) verification of the electronic data deliverable (EDD) results was performed by comparison to the laboratory data package. Laboratory QC results were also verified (10%). No errors were found.

III. TECHNICAL DATA VALIDATION

The QC requirements reviewed are summarized in the following table:

✓	Sample Receipt, Preservation, and Holding Times	1	Laboratory Duplicate Samples
✓	System Performance and Resolution Checks	1	Field Duplicates
1	Method Blanks	✓	Target Analyte List
1	Field Blanks	✓	Reported Results
2	Labeled Compound Recovery	2	Compound Identification
✓	Ongoing Precision and Recovery (OPR)		

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Method Blanks

In order to assess the impact of blank contamination on the reported sample results, action levels were established at five times the blank concentrations. Results in the associated field samples that were less than the action levels were qualified as not detected (U-7) at the reported concentrations. No action was taken for results greater than the action levels or for non-detects.

The laboratory assigned an "EMPC" flag to an analyte result when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications, but are "estimated maximum possible concentrations". When a result in the method blank had an "EMPC" flag, the result was treated as a non-detect at an elevated detection limit; therefore no action level was established for these analytes.

Although several congeners were detected in the method blanks, all associated results were either not detected or detected at concentrations greater than the action levels; no data were qualified.

Field Blanks

SDG 1400647: Sample QC-EB-01-20140903-W was submitted as a field blank. No target analytes were detected in this sample.

SDG 1400984: Sample QC-EB-02-20141222-W was submitted as a field blank. No target analytes were detected in this sample.

Labeled Compound Recovery

SDG 1400781: The percent recovery (%R) for the labeled compound $^{13}C_{12}$-1,2,3,4,7,8-HxCDD in Sample IA-MHS-05-20141020-W was less than the lower control limit, at 31.49%. The 1,2,3,4,7,8-HxCDD result for this sample was estimated (UJ-13L) to indicate a potential low bias.

Laboratory Duplicates

Laboratory duplicates were not analyzed due to insufficient sample available. Laboratory precision from batch to batch was acceptable as indicated by the acceptable ongoing precision and recovery (OPR) standard results. Precision within the analytical batches could not be evaluated.

Field Duplicates

The following acceptance criteria were used to evaluate precision: the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than the RL.

SDG 1400762: One set of field duplicates, CC-A-01-20141013-W and CC-FD-02-20141013-W, were submitted. The RPD values were within control limits. Field precision was acceptable.

SDG 1500166: One set of field duplicates, ST-TS-01-20150210-W and ST-FD-02-20150210-W, were submitted. The RPD values were within control limits. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF using a second GC column as the DB-5 column that is typically used cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. The laboratory performed confirmation analyses using a DB-225 column. Where necessary, only results from the confirmation analysis were reported for 2,3,7,8-TCDF.

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore the result cannot be considered as positive identification for the analyte. The EMPC values were qualified as not detected (U-25) to indicate that the result is not-detected at an elevated reporting limit. The EMPC values for total homolog groups were qualified as estimated (J-25) at the reported values.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound and OPR standard recoveries. Precision was acceptable as demonstrated by the field duplicate RPD values.

Detection limits were elevated based on ion ratio outliers. One result was estimated due to a labeled compound recovery outlier. Total homolog group results that included EMPC values were also estimated.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
PCB Congeners by EPA Method 1668C

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Vista Analytical Laboratory, El Dorado Hills, California, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
1400647	1 Sediment & 1 Equipment Blank	EPA Stage 2A
1400659	1 Sediment	EPA Stage 2A
1400665	3 Sediment	EPA Stage 2A
1400737	2 Sediment	EPA Stage 2A
1400762	3 Sediment	EPA Stage 2A
1400948	3 Sediment	EPA Stage 2A
1400970	3 Sediment	EPA Stage 2A
1400915	4 Sediment	EPA Stage 2A
1400984	1 Equipment Blank	EPA Stage 2A
1500108	3 Sediment	EPA Stage 2A
1500116	2 Sediment	EPA Stage 2A
1500147	3 Sediment	EPA Stage 2A
1500166	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO LABORATORY VERIFICATION

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; no errors were found.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below:

1	Sample Receipt, Preservation, and Holding Times	**1**	Field Duplicates
2	Laboratory Blanks	✓	Target Analyte List
2	Field Blanks	**1**	Reporting Limits
✓	Labeled Compound Recovery	**2**	Reported Results
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	**2**	Compound Identification
✓	Ongoing Precision and Recovery (OPR)	✓	Compound Quantitation

✓ ***Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.***
[1] ***Quality control results are discussed below, but no data were qualified.***
[2] ***Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.***

Sample Receipt, Preservation, and Holding Times

SDG 1400659: One jar for Sample PS-TS-01-20140909-S was broken during transit to the laboratory. The sample was homogenized and transferred to a new container. The client authorized the laboratory to proceed with analysis.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level was established at five times (5x) the concentration reported in the blank. If a contaminant was detected in an associated field sample and the concentration was less than the action level, the result was qualified as not detected (U-7) at the reported concentration. No action was taken if the sample result was greater than the action level, or for non-detected results.

The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications, but are "estimated maximum possible concentrations". When these occurred in the method blank the results were considered as false positives. No action levels were established for these analytes.

Although several congeners were detected in the method blanks, all associated results were either not detected or detected at concentrations greater than the action levels; no data were qualified, with the exceptions noted below.

SDG 1400984: Results for PCB 11, PCB 18, PCB 28, and PCB 61/70 were qualified as not detected (U-7) in Sample QC-EB-02-20141222-W.

Field Blanks

In order to evaluate the effect of field blank contamination on the field samples, action levels were established at 5x the blank concentration. Positive results in the associated samples that were less than the action level were qualified as not-detected (U-6).

SDG 1400647: Sample QC-EB-01-20140903-W was submitted as a field blank. After qualification due to method blank contamination, positive results remained for many PCB congeners. All associated results were detected at concentrations greater than the action levels; no data were qualified.

SDG 1400984: Sample QC-EB-02-20141222-W was submitted as a field blank. Several target analytes were detected in this sample, all associated results were either not detected or detected at concentrations greater than the action levels; no data were qualified.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) were not analyzed. Accuracy was assessed using labeled compound recoveries and ongoing precision and recovery samples. Precision was assessed using the field replicate results.

Field Duplicates

The relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). The difference between the sample and duplicate must be less than 2x the RL for results less than 2x the RL. Although no qualification of is required based on the outliers, field precision should be taken into account when interpreting sample results.

SDG 1400665: One set of field duplicates, UG-MH-60-20140911-S and UG-FD-01-20140911-S, were submitted. Precision criterion were not met for PCB 19, PCB 38, PCB 39, PCB 45, PCB 46, PCB 51, PCB 53, PCB 94, and PCB 113.

SDG 1500116: One set of field duplicates were submitted: WM-CB-03-20150122-S and WM-FD-23-20150122-S. Precision criterion were not met for PCB 4/10, PCB 7/9, PCB 12/13, PCB 16/32, PCB 17, PCB 18, PCB 19, PCB 24/27, PCB 40, PCB 81, PCB 89, PCB 122, PCB 123, PCB 124, PCB 147, PCB 154, PCB 173, PCB 175, PCB 191, PCB 197, PCB 198, PCB 200.

Reporting Limits

SDG 1400647: Sample CS-CB-01-20140903-S was analyzed at dilution (20x & 40x) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

SDG 1400659: Sample PS-TS-01-20140909-S was analyzed at dilution (20x) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

SDG 1400737: All samples within this SDG were analyzed at dilution (50x) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

SDG 1400665, 1400762, 1400948: All samples within this SDG were analyzed at dilution (20x) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

SDG 1400915: Samples BD-OWS-15-20141203-S, BD-MH-10.9-20141203-S, and BD-MH-13.43-20141203-S were analyzed at dilution (5x) to reduce interferences and Sample BD-OWS-15-20141203-S was reanalyzed at dilution (20x). Reporting limits were elevated accordingly. No further action was taken.

SDG 1400970, 1500108, 1500147, 1500166: All samples within these SDG were analyzed at dilution (10x) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

SDG 1500116: Samples WM-CB-03-20150122-S and WM-FD-23-20150122-S were analyzed at dilution (10x & 20x, respectively) to reduce interferences. Reporting limits were elevated accordingly. No further action was taken.

Reported Results

SDG 1400762: The results for the PCB congeners PCB 110, PCB 139/149, and PCB 153 exceeded the calibration range of the instrument in Sample CC-CB-22-20141013-S. The laboratory flagged these results with an "E". The sample was not re-analyzed at dilution; results that were over the calibration range were estimated (J-20).

SDG 1400915: The results for 33 PCB congeners in Sample BD-MH-9.66-20141203-S, 64 PCB congeners in Sample BD-MH-10.9-20141203-S, and PCB 153 and PCB 180 in Sample BD-MH-13.43-20141203-S exceeded the calibration range of the instrument. The laboratory flagged these results with an "E". All "E" flagged results were estimated (J-20).

SDG 1400948: The results for the PCB congeners PCB 110, PCB 153, and PCB 180 exceeded the calibration range of the instrument in Sample SP-OWS-05-20141211-S. The result for PCB 170 in Sample SP-CB-35-20141211-S exceeded the calibration range of the instrument. The laboratory flagged these results with an "E". All "E" flagged results were estimated (J-20).

Compound Identification

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore the result cannot be considered as positive identification for the analyte. The EMPC values were qualified as not detected (U-25) to indicate that the result is not-detected at an elevated reporting limit. The EMPC values for total homolog groups were qualified as estimated (J-25) at the reported values.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound and OPR recoveries and precision was acceptable as demonstrated by the field duplicate RPD values.

Detection limits were elevated due to method and field blank contamination and when an EMPC flag indicated that the compound identification criteria were not met. Results were estimated because the calibration range was exceeded. Total homolog group results that included EMPC values were also estimated.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
PCB Congeners by EPA Method 1668C

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. Vista Analytical Laboratory, El Dorado Hills, California, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
1400647	2 Water 1 Equipment Blank	EPA Stage 2A
1400659	2 Water	EPA Stage 2A
1400665	1 Water	EPA Stage 2A
1400737	1 Water	EPA Stage 2A
1400762	2 Water	EPA Stage 2A
1400781	3 Water	EPA Stage 2A
1400915	1 Water	EPA Stage 2A
1400948	1 Water	EPA Stage 2A
1400958	2 Water	EPA Stage 2A
1400970	1 Water	EPA Stage 2A
1400984	3 Water 1 Equipment Blank	EPA Stage 2A
1500108	1 Water	EPA Stage 2A
1500116	1 Water	EPA Stage 2A
1500147	1 Water	EPA Stage 2A
1500166	3 Water	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO LABORATORY VERIFICATION

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; no errors were found.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below:

✓	Sample Receipt, Preservation, and Holding Times	1	Laboratory Duplicates
2	Laboratory Blanks	1	Field Duplicates
2	Field Blanks	✓	Target Analyte List
1	Labeled Compound Recovery	1	Reporting Limits
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Ongoing Precision and Recovery (OPR)	✓	Compound Quantitation

✓ ***Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.***
[1] ***Quality control results are discussed below, but no data were qualified.***
[2] ***Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.***

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level was established at five times (5x) the concentration reported in the blank. If a contaminant was detected in an associated field sample and the concentration was less than the action level, the result was qualified as not detected (U-7) at the reported concentration. No action was taken if the sample result was greater than the action level, or for non-detected results.

The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications, but are "estimated maximum possible concentrations". When these occurred in the method blank the results were considered as false positives. No action levels were established for these analytes.

Although several congeners were detected in the method blanks, only the following required qualification in one or more associated field samples.

SDG 1400647: Results for PCB 11, PCB 16/32, PCB 20/21/33, and PCB 31 were qualified as not detected (U-7) in Sample QC-EB-01-20140903-W.

SDG 1400737: The result for PCB 11 was qualified as not detected (U-7) in Sample SP-OWS-01-20141008-W.

SDG 1400762: Results for PCB 11 were qualified as not detected (U-7) in samples CC-A-01-20141013-W and CC-FD-02-20141013-W.

SDG 1400781: The result for PCB 11 was qualified as not detected (U-7) in Sample IA-CBN-60-20141020-W. Results for PCB 16/32 were qualified as not detected (U-7) in samples IA-MHS-05-20141020-W and IA-CV-01-20141020-W.

SDG 1400984: Results for PCB 11, PCB 18, PCB 28, and PCB 61/70 were qualified as not detected (U-7) in Sample QC-EB-02-20141222-W. Results for PCB 11 were qualified as not detected (U-7) in samples BD-MH-1.32-20141222-W and BD-MH-12.56-20141222-W. The result for PCB 47 was qualified as not detected (U-7) in Sample BD-OWS-14-20141222-W.

Field Blanks

In order to evaluate the effect of field blank contamination on the field samples, action levels were established at 5x the blank concentration. Positive results in the associated samples that were less than the action level were qualified as not-detected (U-6).

SDG 1400647: Sample QC-EB-01-20140903-W was submitted as a field blank. After qualification due to method blank contamination, positive results remained for many PCB congeners. Results for the following congeners were qualified as not detected (U-6).

Analyte	Qualified Samples
PCB 1 PCB 2 PCB 47 PCB 52/69	CS-TS-1-20140903-W
PCB 3	CS-TS-1-20140903-W, CS-SP-01-20140903-W

SDG 1400984: Sample QC-EB-02-20141222-W was submitted as a field blank. After qualification based on method blank contamination, positive results remained for several target analytes in the field blank. Results for the analytes in the associated samples that were less than the action levels were qualified as not detected (U-6).

Labeled Compound Recovery

SDG 1400647: The percent recovery (%R) values for PCB 114L and PCB 127L in Sample CS-SP-01-20140903-W were greater than the upper control limit. This sample was analyzed at dilution (10x) preventing accurate recovery of these labeled compounds. No data were qualified for these outliers.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) were not analyzed. Accuracy was assessed using labeled compound recoveries and ongoing precision and recovery samples. Precision was assessed using the field replicate results.

Laboratory Duplicates

Laboratory duplicates were not analyzed due to insufficient sample available. Laboratory precision from batch to batch was acceptable as indicated by the acceptable ongoing precision and recovery (OPR) standard results. Precision within the analytical batches could not be evaluated.

Field Duplicates

The following acceptance criteria were used to evaluate precision: the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than the RL.

SDG 1400762: One set of field duplicates, CC-A-01-20141013-W and CC-FD-02-20141013-W, were submitted. The RPD values were within control limits. Field precision was acceptable.

SDG 1500166: One set of field duplicates, ST-TS-01-20150210-W and ST-FD-02-20150210-W, were submitted. The RPD values were within control limits. Field precision was acceptable.

Reporting Limits

SDG 1400647: Samples CS-TS-01-20140903-W and CS-SP-01-20140903-W were analyzed at dilution (5x & 10x) to reduce interferences. Reporting limits were elevated accordingly. No action was taken.

SDG 1500147: Sample WM-CB-11-20150203-W was analyzed at dilution (10x) to reduce interferences. Reporting limits were elevated accordingly. No action was taken.

SDG 1500166: Samples ST-TS-01-20150210-W and ST-FD-02-20150210-W were analyzed at dilution (10x) and Sample ST-OF-01-20150210-W was analyzed at dilution (20x) to reduce interferences. Reporting limits were elevated accordingly. No action was taken.

Compound Identification

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore the result cannot be considered as positive identification for the analyte. The EMPC values were qualified as not detected (U-25) to indicate that the result is not-detected at an elevated reporting limit. The EMPC values for total homolog groups were qualified as estimated (J-25) at the reported values.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound and OPR recoveries and precision was acceptable as demonstrated by the field duplicate RPD values.

Detection limits were elevated due to method and field blank contamination and when an EMPC flag indicated that the compound identification criteria were not met. Total homolog group results that included EMPC values were also estimated.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Volatile Organic Compounds by SW846 Method 8260B and 8260C

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples Test America, Inc., Tacoma, Washington, performed the analysis. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	1 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	2 Sediment	EPA Stage 2A
J46739-1	1 Sediment	EPA Stage 2A
J47135-1	3 Sediment &1 Trip Blank	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	1 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

The laboratory did not use the analytes names specified in the QAPP for several analytes. The analyte names in the EDD were changed to match the QAPP. Changes are listed in the table below:

Laboratory EDD Name	QAPP Analyte Name
CFC-12	Dichlorodifluoromethane
CFC-11	Trichlorofluoromethane
CFC-113	1,1,2-Trichloro-1,2,2-trifluoroethane
Methyl Ethyl Ketone	2-Butanone
Methyl Isobutyl Ketone	4-Methyl-2-pentanone
Ethylene Dibromide	1,2-Dibromoethane
m,p Xylene	m-Xylene & p-Xylene
Cumene	Isopropylbenzene
p-Isopropyltoluene	4-Isopropyltoluene
Dichlorobromomethane	Bromodichloromethane

SDGs J47135-1: The laboratory noted in the case narrative that there were internal standard outliers for Samples AS-CB-02-20150120-S, AS-CB-05-20150120-S, and AS-CB-UNK-20150120-S; however they did not identify which internal standards were not within the control limits. The laboratory was contacted and provided the missing documentation.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an EDD and laboratory report. The EDD was verified against the laboratory report; no errors were found.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC) for Sample CC-CB-04-2014**1**013-S. The laboratory omitted a "1" in the sample ID (CC-CB-04-2014013-S).

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
2	Laboratory Blanks	2	Internal Standards
1	Field Blanks	✓	Target Analyte List
2	Surrogate Compounds	1	Reporting Limits (MDL and MRL)
1	Laboratory Control Samples (LCS/LCSD)	1	Reporting Results
✓	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)		

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received a sample cooler with a temperature outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

SDG J45295-1: Sample PS-TS-01-20140909-S was after the QAPP holding time of 48 hrs. All reported results were estimated (J/UJ-1).

Laboratory Blanks

Method blanks were analyzed at the proper frequency. In order to evaluate the effect of method blank contamination on the field samples, action levels were established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level were qualified as not-detected (U-7). Qualified results less than the reporting limit (RL), should be considered to be not detected at the reporting limit (RL).No action was taken for results associated sample that were greater than the action levels or for non-detects.

Although one or more analytes were detected in most method blanks, only the following results were qualified:

SDG J45232-1: Sample QC-EB-01-20140903-W: tetrachloroethene (U-7).

SDG J45906-1: Sample CC-CB-04-20141013-S: tert-butylbenzene, n-butylbenzene, and hexachlorobutadiene (U-7).

Field Blanks

SDG J45232-1: One field blank, QC-EB-01-20140903-W, was submitted with this data package. After qualification due to method blank contamination positive results for m,p-xylene and toluene remained. There were no field samples collected for VOC analysis the same day that the field blank was collected; therefore no data were qualified based on field blank contamination.

SDG J47135-1: Sample TB-20150120 was submitted as a trip blank. No target analytes were detected in this sample.

Surrogate Compounds

SDG J45295-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limit in the initial analysis of Sample PS-TS-01-20140909-S; positive results reported from the initial analysis were estimated (J-13H) to indicate a potential high bias.

SDG J45354-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limits in samples UG-MH-60-20140911-S, UG-FD-01-20140911-S, UG-MH-76-20140911-S; positive results were estimated (J-13H) to indicate a potential high bias.

SDG J45906-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limit in Sample CC-CB-04-20141013-S; positive results were estimated (J-13H) to indicate a potential high bias.

SDG J46549-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limit in Sample BD-OWS-15-20141203-S; positive results were estimated (J-13H) in this sample to indicate a potential high bias.

The %R values for the surrogate 4-bromofluorobenzene were greater than the upper control limit in samples BD-MH-13.43-20141202-S and BD-MH-9.66-20141203-S; no data were qualified for these single outliers.

SDG J46558-1: The %R values for surrogates toluene-d8, 1,2-dichlorobenzene-d4, and 4-bromofluorobenzene were greater than the upper control limit in Sample BD-MH-10.9-20141203-S; positive results were estimated (J-13H) to indicate a potential high bias.

SDG J46690-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limits in samples SC-CB-24-20141211-S and SC-CB-35-20141211-S; positive results were estimated (J-13H) to indicate a potential high bias.

SDG J46739-1: The %R values for surrogates toluene-d8 and 4-bromofluorobenzene were greater than the upper control limits in Sample DS-TD-O1-20141216-S; positive results were estimated (J-13H) to indicate a potential high bias.

SDG J47135-1: The %R values for the surrogate toluene-d8 were greater than the upper control limit and %R values for the surrogate 4-bromofluorobenzene were less than the lower control limit in samples AS-CB-05-20150120-S and AS-CB-UNK-20150120-S; results were estimated (J/UJ-13), no bias was assigned.

The %R value for the surrogate toluene-d8 was greater than the upper control limit in Sample AS-CB-02-20150120-S; no data were qualified for this single outlier.

SDG J47171-1: The %R values for surrogates toluene-d8, 1,2-dichlorobenzene-d4, and/or 4-bromofluorobenzene were greater than the upper control limits for the analysis on 1/27/15 of samples WM-CB-03-20150122-S and WM-FD-02-20150122-S associated with the analyses of vinyl chloride. This analyte was not detected in either sample; no data were qualified.

For the analysis on 1/29/2015 the %R values for surrogates toluene-d8, 1,2-dichlorobenzene-d4, and 4-bromofluorobenzene were greater than the upper control limit in Sample WM-CB-03-20150122-S; positive results were estimated (J-13H) to indicate a potential high bias.

For the analysis on 1/29/2015 the %R value for the surrogate 4-bromofluorobenzene was greater than the upper control limit in Sample WM-FD-02-20150122-S; no data were qualified for this single outlier.

SDG J47345-1: The %R value for surrogate 4-bromofluorobenzene was greater than the upper control limit and %R value for surrogate trifluorotoluene was less than the lower control limit in sample WM-CB-52-20150203-S; results were estimated (J/UJ-13), no bias was assigned.

SDG J47459-1: The %R value for the surrogate toluene-d8 was greater than the upper control limit in the reanalysis of Sample ST-CB-08-20150210-S; no data were qualified for this single outlier.

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed at the proper frequency. For LCS/LCSD recovery values that were less than the lower control limit, positive results and/or non-detects in the associated samples were estimated (J/UJ-10L) to indicate a potential low bias. For recovery values greater than the upper control limit, only positive results in the associated samples were estimated (J-10H) to indicate a potential high bias. No action was taken if only one of the LCS or LCSD recovery values was outside of the control limit. For relative percent difference (RPD) outliers, associated positive results were estimated (J-9). No action was taken for non-detects.

The following outliers resulted in qualification of data:

SDG J47135-1: 2-hexanone, 4-methyl-2-pentanone, acetone, isopropylbenzene, toluene - (J-9) RPD

Field Duplicates

The RPD control limit is 30% for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. The RPD and/or difference values for acetone and n-butylbenzene were greater than the control limits.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. The difference values for the analytes below were greater than the control limits.

acetone	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene
carbon disulfide	m,p-xylenes	ethylbenzene
toluene	o-xylene	n-butylbenzene
n-propylbenzene	p-isopropyltolune	

Internal Standards

The laboratory noted internal standard responses below acceptance criterion for several samples. These samples show evidence of matrix interferences, which were confirmed by reanalysis. The laboratory flagged the associated analytes. Results for these analytes were estimated (J/UJ-19).

The samples and internal standard outliers resulting in qualification of data are noted below:

SDG J45354-1: UG-MH-60-20140911-S: chlorobenzene-d5 and 1,4-dichlorobenzene-d5; UG-FD-01-20140911-S & UG-MH-76-20140911-S: 1,4-dichlorobenzene-d4

SDG J46549-1: BD-MH-13.43-20141202-S, BD-MH-9.66-20141203-S, and BD-OWS-15-20141203-S: 1,4-dichlorobenzene-d4 and chlorobenzene-d5

SDG J46558-1: BD-MH-10.9-20141203-S: 1,4-dichlorobenzene-d4 and chlorobenzene-d5

SDG J46690-1: SC-CB-35-20141211-S and SC-CB-24-20141211-S: 1,4-dichlorobenzene-d4, chlorobenzene-d5, and/or fluorobenzene

SDG J46739-1: DS-TD-O1-20141216-S: 1,4-dichlorobenzene-d4

SDG J47135-1: AS-CB-02-20150120-S & AS-CB-UNK-20150120-S: 1,4-dichlorobenzene-d4 and chlorobenzene-d5; AS-CB-05-20150120-S: chlorobenzene-d5

SDG J47345-1: WM-CB-52-20150203-S: 1,4-dichlorobenzene-d4 and chlorobenzene-d5

Reporting Limits

The target reporting limits specified in the QAPP were not always met due necessary dilutions, reduced sample aliquots, and/or high moisture content.

SDG J45295-1: Sample PS-TS-01-20140909-S was re-analyzed using Method 8260C. Results from the reanalysis have elevated reporting limits.

SDG J45835-1: The samples were analyzed using Method 8260C due to the high concentrations of several target analytes. All detection and reporting limits were elevated.

Reported Results

SDG J45295-1: Sample PS-TS-01-20140909-S was re-analyzed due to an internal standard outlier. The re-analysis was done using the methanol preserved sample. Results for both analyses were reported. The laboratory flagged the results associated with the internal standard outlier from the initial analysis, these results were flagged do-not-report (DNR-11) in favor of the results from the reanalysis. In the reanalysis, the analytes not associated with the initial analysis internal standard outlier were flagged do-not-report (DNR-11) in favor of the original results.

In Sample PS-TS-01-20140909-S, the results for 1,3,5-trimenthylbenzene, m,p-xylene, and n-propylbenzene were flagged "E" by the laboratory to indicate these results exceeded the calibration range of the instrument. These results were flagged do-not-report (DNR-11) in favor of the results from the reanlysis.

SDG J47459-1: Sample ST-CB-08-20150210-S was re-analyzed for 4-methyl-2-pentanone due to quality control (QC) failures. Results for both analyses were reported. The result for 4-methyl-2-pentanone from the initial analysis was flagged do-not-report (DNR-11) in favor of the result from the reanalysis.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate, matrix spike/matrix spike duplicate (MS/MSD), and LCS/LCSD recoveries and precision was acceptable as demonstrated by the field duplicate, MS/MSD, and LCS/LCSD RPD values.

Results were estimated based on surrogate recovery, LCS/LCSD precision, and internal standard response outliers. Detection limits were elevated due to method blank contamination.

Data were flagged as do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

Data that were flagged DNR are not useable for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Semivolatile Organic Compounds by SW846 Method 8270D

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Test America, Inc., Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Sediment &1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	3 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	3 Sediment	EPA Stage 2A
J46717-1	1 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J47135-1	3 Sediment	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	3 Sediment	EPA Stage 2A
J47459-1	3 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

The laboratory did not use the analytes names specified in the QAPP for several analytes. The analyte names in the EDD were changed to match the QAPP. Changes are listed in the table below:

Laboratory EDD	QAPP & Laboratory PDF
o-cresol	2-Methylphenol
m, p cresol(2:1 Ratio)	3 & 4 Methylphenol
m-Nitroaniline	3-Nitroaniline
Dibutyl Phthalate	Di-n-butyl phthalate
Bis(2-chloro-1-methylethyl)ether	2,2'-oxybis(1-chloropropane)

SDGs J45232-1, J45295-1, J45354-1, J45354-1, J45835-1, J45906-1: The target analyte 2,2'-oxybis(1-chloropropane) was not reported for the field samples in the PDF or EDD. The laboratory was contacted and submitted revised data packages and EDDs that included the missing analyte.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; no errors were found.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-S	CC-A-01-2014013-S
CC-CB-04-2014**1**013-S	CC-CB-04-2014013-S
CC-CB-22-2014**1**013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	**1**	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
2	Laboratory Blanks	**1**	Field Duplicates
1	Field (Equipment Rinsate) Blanks	✓	Target Analyte List
1	Surrogate Compounds	**1**	Reporting Limits
2	Laboratory Control Samples (LCS/LCSD)	**2**	Reported Results

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 2° to 6°C. A sample cooler arrived with a temperature greater than the upper advisory limit, at 14.5°C. The cooler arrived to the laboratory within two hours of the sample collection. The temperature outlier did not impact data quality; no action was taken.

Laboratory Blanks

In order to evaluate the effect of method blank contamination on the field samples, action levels were established at 5x the blank concentration (10x for common laboratory contaminants) and adjusted for dilution factors. Positive results in the associated samples that were less than the action level were qualified as not detected (U-7).

The results were qualified based on method blank contamination.

SDG J45295-1: PT-TS-01-20140909-S: diethyl phthalate (U-7)

SDG J47135-1: AS-CB-05-20150120-S & AS-CB-UNK-20150120-S: butyl benzyl phthalate (U-7)

SDG J47345-1: WM-MH-61-20150203-S & WM-CB-52-20150203-S: butyl benzyl phthalate (U-7), WM-MH-61-20150203-S: diethyl phthalate (U-7)

SDG J47459-1: ST-CB-08-20150210-S & ST-CB-04A-20150210-S: butyl benzyl phthalate, diethyl phthalate (U-7)

Field Blanks

SDG J45232: Sample QC-EB-01-20140903-W was submitted as an equipment blank. Several analytes were detected in this equipment blank. All associated results for these analytes were either greater than the action level of 5x the blank concentration or not detected; no data were qualified.

Surrogate Compounds

SDG J45835-1: The percent recovery (%R) value for 2,4,6-tribromophenol was greater than the upper control limit for Sample SP-CB-09-20141008-S. No data were qualified for this single outlier.

SDG J45906-1: Samples CC-CB-04-20141013-S and CC-CB-22-20141013-S were analyzed at dilution (50x) preventing accurate recovery of the surrogate compounds. No data were qualified.

SDG J46549-1: The %R value for 2,4,6-tribromophenol was greater than the upper control limit for Sample BD-OWS-15-20141203-S. No data were qualified for this single outlier.

SDG J46690-1: The %R values for surrogate 2,4,6-tribromophenol were greater than the upper control limit for samples SC-OWS-05-20141211-S and SC-CB-24-20141211-S. No data were qualified for this single outliers.

SDG J46739-1: The %R value for surrogate 2,4,6-tribromophenol was greater than the upper control limit for Sample DS-CB-I3-20141216-S. No data were qualified for this single outlier.

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed at the proper frequency. For LCS/LCSD recovery values that were less than the lower control limit, positive results and/or non-detects in the associated samples were estimated (J/UJ-10L) to indicate a potential low bias. For recovery values greater than the upper control limit, only positive results in the associated samples were estimated (J-10H) to indicate a potential high bias. No action was taken if only one of the LCS or LCSD recovery values was outside of the control limit. For relative percent difference (RPD) values greater than the control limit, positive results in the associated samples were estimated (J-9). No action was taken for non-detects.

Outliers for the following compounds resulted in qualification of data:

SDGs J45354-1: chrysene (J-10L) low bias.

SDG J45835-1: twenty five analytes (J/UJ-10L) low bias; benzyl alcohol (J-9) RPD

SDGs J46690-1 & J46739-1: 4-chloroanaline (UJ-10L) low bias.

SDGs J47345-1 & J47459-1: fifteen analytes (J/UJ-10L) low bias.

Matrix Spike/Matrix Spike Duplicates

Several matrix spike/matrix spike duplicate (MS/MSD) analyses were performed at 10x or greater dilutions preventing accurate analysis of the recovery of the spiked compounds. No data were qualified in these instances.

Field Duplicates

The RPD control limit varies from 25-68% depending on the target analyte for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. All field precision criteria were met.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. The RPD value for benzyl alcohol was greater than the control limit.

Reporting Limits

Reporting limits (RL) for one or more analytes in most samples were elevated based on reduced sample aliquots, high moisture content and/or dilutions.

Reported Results

Several samples in several SDG required dilutions because of the high concentration of target analytes or due to matrix interferences. In instances where two dilutions were analyzed for one sample, the laboratory reported the result for each analyte from the appropriate dilution.

SDG J45354-1: Samples UG-MH-60-20140911-S, UG-FD-01-20140911-S, UG-MH-76-20140911-S were re-extracted because of several LCS/LCSD outliers. The re-extraction was performed outside of the holding time criterion. The results from the initial extraction were used and estimated based on LCS/LCSD outliers. Results reported from the re-extraction were flagged do-not-report (DNR-11), in favor of the results from the original analysis.

SDG J45835-1: Sample SP-CB-09-20141008-S was re-extracted because of LCS/LCSD outliers. The re-extraction was performed outside of the holding time criterion. The results from the initial extraction were used and estimated based on LCS/LCSD outliers. Results from the re-extraction were flagged do-not-report (DNR-11), in favor of the results from the original analysis.

SDG J45906-1: Samples CC-CB-04-2014013-S and CC-CB-22-2014013-S were re-extracted due to LCS/LCSD outliers. Both sets of data were reported. Only one set of results should be reported; therefore the results from the initial analyses were flagged do-not-report (DNR-11), in favor of the results from the re-extraction.

SDG J47345-1: Samples WM-MH-61-20150203-S, WM-CB-52-20150203-S, and WM-CB-21-20150203-S were re-extracted due to LCS/LCSD outliers. Both sets of data were reported. The re-extraction was performed outside of the holding time criterion. The results from the initial extraction were used and estimated based on LCS/LCSD outliers. Results from the re-extraction were flagged do-not-report (DNR-11), in favor of the results from the original analysis.

SDG J47459-1: Samples ST-CB-08-20150210-S and ST-CB-04A-20150210-S were re-extracted due to LCS/LCSD outliers. Both sets of data were reported. The re-extraction was performed outside of the holding time criterion. The results from the initial extraction were used and estimated based on LCS/LCSD outliers. Results from the re-extraction were flagged do-not-report (DNR-11), in favor of the results from the original analysis.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate, MS/MSD, and LCS/LCSD recoveries and precision was acceptable as demonstrated by the field duplicate, LCS/LCSD, and MS/MSD RPD values.

Results were estimated based on LCS/LCSD precision and accuracy outliers. Results were qualified as not detected due to method blank contamination.

Data were flagged as do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

Data that were flagged DNR are not useable for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Semivolatile Organic Compounds by SW846 Method 8270D

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. Test America, Inc., Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	2 Water &1 Equipment Blank	EPA Stage 2A
J45294-1	2 Water	EPA Stage 2A
J45354-1	1 Water	EPA Stage 2A
J45834-1	1 Water	EPA Stage 2A
J45906-1	2 Water	EPA Stage 2A
J46021-1	3 Water	EPA Stage 2A
J46558-1	1 Water	EPA Stage 2A
J46690-1	1 Water	EPA Stage 2A
J46717-1	2 Water	EPA Stage 2A
J46851-1	3 Water & 1 Equipment Blank	EPA Stage 2A
J47133-1	1 Water	EPA Stage 2A
J47171-1	1 Water	EPA Stage 2A
J47345-1	1 Water	EPA Stage 2A
J47459-1	3 Water	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

With the exceptions noted below, the laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

The laboratory did not use the analytes names specified in the QAPP for several analytes. The analyte names in the EDD were changed to match the QAPP. Changes are listed in the table below:

Laboratory EDD	QAPP & Laboratory PDF
o-cresol	2-Methylphenol
m, p cresol(2:1 Ratio)	3 & 4 Methylphenol
m-Nitroaniline	3-Nitroaniline
Dibutyl Phthalate	Di-n-butyl phthalate
Bis(2-chloro-1-methylethyl)ether	2,2'-oxybis(1-chloropropane)

SDG J45354-1, J45835-1, J45906-1: The target analyte 2,2'-oxybis(1-chloropropane) was not reported for the field samples in the PDF or EDD . The laboratory was contacted and submitted revised data packages and EDDs that included the missing analyte.

SDG J46739-1: The SVOC analysis for Sample DS-CB-F3-20141215-W could not be completed due to an extractions/equipment issue resulting in sample loss.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; no errors were found.

SDG J45354-1: The COC and sample container labels did not match for Sample UG-MH-60-20140914-W. The sample containers were labeled UG-MH-60-20140911-W. This sample was logged in and reported by the laboratory as UG-MH-60-20140914-W.

SDG J45906-1: The sample IDs in the PDF and EDD did not match the COC. The laboratory omitted a "1" in the sample ID. No action was taken, except to note the discrepancies.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-201410 13-W	CC-A-01-2014013-W
CC-FD-02-201410 13-W	CC-FD-02-2014013-W

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
2	Laboratory Blanks	1	Field Duplicates
2	Field Blanks	✓	Target Analyte List
✓	Surrogate Compounds	1	Reporting Limits
2	Laboratory Control Samples (LCS/LCSD)	2	Reported Results

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 2° to 6°C. A sample cooler arrived with a temperature greater than the upper advisory limit, at 11.7°C. The cooler arrived to the laboratory within four (4) hours of the sample collection. The temperature outlier did not impact data quality; no action was taken.

Laboratory Blanks

In order to evaluate the effect of method blank contamination on the field samples, action levels were established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level were qualified as not detected (U-7).

The following results were qualified based on method blank contamination:

SDG J45354-1: UG-MH-60-20140914-W: di-n-butyl phthalate (U-7)

SDG J45906-1: CC-A-01-20141013-W and CC-FD-02-20141013-W: bis(2-ethylhexyl)phthalate (U-7)

SDG J46558-1: BD-OWS-02-20141203-W: di-n-butyl phthalate and diethyl phthalate (U-7)

SDG J47345-1: WM-CB-11-20150203-W: diethyl phthalate (U-7)

SDG J47459-1: ST-TS-01-20150210-W, ST-FD-02-20150210-W, ST-0F-01-20150210-W: diethyl phthalate (U-7)

Field Blanks

In order to evaluate the effect of method blank contamination on the field samples, action levels were established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG J45232-1: Sample QC-EB-01-20140903-W was submitted as an equipment blank. Several analytes were detected in this blank. In Sample CS-TS-01-20140903-W the results for benzoic acid, benzyl alcohol, dibutyl phthalate, and phenol were qualified as not detected (U-6) and in Sample CS-SP-01-20140903-W the results for benzoic acid, benzyl alcohol, bis(2-ethylhexyl) phthalate, m,p-cresol, and phenol were qualified as not detected (U-6).

SDG J46851-1: Sample QC-EB-02-20141222-W was submitted as an equipment blank. Several analytes were detected. Results for benzyl alcohol were qualified as not detected (U-6) in samples BD-MH-1.32-20141222-W and BD-MH-12.56-20141222-W.

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed at the proper frequency. For LCS/LCSD %R values that were less than the lower control limit, positive results and/or non-detects in the associated samples were estimated (J/UJ-10L) to indicate a potential low bias. For LCS/LCSD recoveries less than 10%, the detection limits for non-detected results were rejected (R-10L). For %R values greater than the upper control limit, only positive results in the associated samples were estimated (J-10H) to indicate a potential high bias. No action was taken if only one of the LCS or LCSD recoveries was outside of the control limit.

For relative percent difference (RPD) outliers, associated positive results were estimated (J-9). No action was taken for non-detects.

Outliers for the following compounds resulted in qualification of data:

SDG J45232-1: 4-chloroaniline (UJ-10L) low bias

SDG J45294-1: 3,3'-dichlorobenzidine (R-10L) low bias <10%; 4-chloroaniline (UJ-10L) low bias

SDG J45354-1: 4-chloroanaline, 3,3'-dichlorobenzidine (UJ-10L) low bias; benzoic acid (J-9) RPD

SDG J45834-1: indeno(1,2,3-cd)pyrene, benzo(g,h,i)perylene (UJ-10L) low bias

SDG J45906-1: benzoic acid (J-9) RPD

SDG J46021-1: benzoic acid, bis(2-ethylhexyl)phthalate (J-9) RPD

SDG J46558-1: 4-chloroaniline (UJ-10L) low bias

SDG J46690-1: 4-chloroanaline (R-10L) low bias <10%

SDG J46717-1: 4-chloroaniline (UJ-10L) low bias

SDG J46851-1: 4-chloroanaline, 3,3'-dichlorobenzidine (R-10L) low bias <10%; anthracene, benzo(a)pyrene (J/UJ-10L) low bias; benzo(a)pyrene, anthracene, and benzyl alcohol (J-9) RPD

SDG J47133-1: pentachlorophenol (UJ-10L) low bias; benzoic acid (J-9) RPD

SDG J47171-1: benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzoic acid, 2,4-dinitrophenol (UJ-10L) low bias; benzoic acid, pentachlorophenol (J-9) RPD

SDG J47345-1: 4-chloroanaline (R-10L) low bias <10%; 4,6-dinitro-2-methylphenol (UJ-10L) low bias; bis(2-ethylhexyl)phthalate (J-9) RPD

SDG J47459-1: 4-chloroanaline, 3,3'-dichlorobenzidine (R-10L) low bias <10%; anthracene, benzo(a)pyrene (J/UJ-10L) low bias

Matrix Spike/Matrix Spike Duplicates

For matrix spike/matrix spike duplicate (MS/MSD) recoveries less than the lower control limit, results in the parent sample were estimated (J/UJ-8L) to indicate a potential low bias. If the recoveries were also less than 10%, non-detected results were rejected (R-8L). For recoveries greater than the upper control limit, positive results only in the parent sample were estimated (J-8H) to indicate a potential high bias. No action was taken if only one of the MS/MSD recoveries was outside of the control limits.

QC Samples and outliers resulting in qualification of data in the parent sample are noted below:

SDG J45232-1: QC-EB-01-20140903-W: 3,3'-dichlorobenzidine, 4-chloroaniline (R-8L) low bias <10%; 4-nitroaniline, m-nitroanaline, and phenol (J/UJ-8L) low bias

Field Duplicates

The RPD control limit is 35% for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than the RL.

SDG J45906-1: One set of field duplicates, CC-A-01-20141013-W & CC-FD-02-20141013-W, was submitted. Field precision was acceptable.

SDG J47459-1: One set of field duplicates, ST-TS-01-20150210-W & ST-FD-02-20150210-W, was submitted. Field precision was acceptable.

Reporting Limits

The samples listed below were analyzed a dilution due to the nature of the sample matrix. The detection and reporting limits were elevated accordingly and did not meet the limits specified in the SAP-QAPP.

SDG J45232-1: CS-SP-01-20140903-W (5x)

SDG J45294-1: PS-OS-01-20140909-W (5x)

SDG J45354-1: UG-MH-60-20140914-W (5x)

SDG J46021-1: IA-CV-01-20141020-W (5x)

SDG J46690-1: SC-MH-20-20141211-W (10x)

SDG J47133-1: AS-CB-UNK-20150120-W (5x)

SDG J47171-1: WM-FT-1B-20150122-W (5x)

SDG J47459-1: ST-TS-01-20150210-W (5x), ST-FD-02-20150210-W (5x), ST-0F-01-20150210-W W (5x)

Reported Results

SDGs J46851-1 & J47171-1: All samples in these SDG were re-extracted outside of holding time due to LCS/LCSD outliers. Both sets of data were reported; results from the re-extracted analyses were flagged do-not-report (DNR-11) in favor of the original results.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate, MS/MSD, and LCS/LCSD recoveries and precision was acceptable as demonstrated by the MS/MSD, LCS/LCSD and field duplicate RPD values.

Data were estimated based on LCS/LCSD accuracy and precision outliers and MS/MSD accuracy outliers. Data were qualified as not detected due to method and equipment blank contamination.

Results were rejected due to LCS/LCSD and MS/MSD recoveries that were less than 10%. Data were flagged as do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

Data that were rejected or flagged DNR should not be used for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
PCB Aroclors by SW846 Method 8082

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Test America, Inc., Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Sediment &1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	3 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	3 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J46851-1	1 Equipment Blank	EPA Stage 2A
J47135-1	3 Sediment	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	3 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; the following errors were found.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-20141013-S	CC-A-01-2014013-S
CC-CB-04-20141013-S	CC-CB-04-2014013-S
CC-CB-22-20141013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
2	Surrogate Compounds	1	Reporting Limits
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Identification
2	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)	2	Reported Results

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received several a sample cooler with a temperature outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

Field Blanks

Target analytes were not detected in any of the equipment blank samples. The following field blanks were submitted.

SDG J45232-1: QC-EB-01-20140903-W

SDG J46851-1: QC-EB-02-20141222-W

Surrogate Compounds

SDG J45354-1: The %R value for the surrogate decachlorobiphenyl (DCB) was less than the lower control limit in Sample UG-MH-60-20140911-S; results were estimated (J/UJ-13L) to indicate a potential low bias.

SDG J47171-1: The %R value for the surrogate tetrachloro-m-xylene (TCMX) was less than the lower control limit in Sample WM-CB-03-20150122-S; results were estimated (J/UJ-13L) to indicate a potential low bias.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) were analyzed at the proper frequency. For MS/MSD (%R) that were less than the lower control limit, positive results and/or non-detects in the associated samples were estimated (J/UJ-8L) to indicate a potential low bias. For recoveries greater than the upper control limit, positive results only in the associated samples were estimated

(J-8H) to indicate a potential high bias. No action was taken if only one of the MS or MSD recoveries was outside of the control limit or if the native sample concentration is greater than 4x the spike level.

QC Samples and outliers resulting in qualification of data are noted below:

SDG J45232-1: CS-CB-01-20140903-S: Aroclor 1260 (J-8L) low bias.

SDG J45354-1: UG-MH-60-20140911-S: Aroclor 1260 (J-8) no bias; Aroclor 1016 and Aroclor 1260 (J-9) RPD

SDG J45835-1: SP-OWS-01-20141008-S: Aroclor 1016 and Aroclor 1260 (J-9) RPD

SDG J45906-1: CC-CB-04-20141013-S: Aroclor 1260 (J-8,9) no bias & RPD

SDG J46690-1: SC-CB-35-20141211-S: Aroclor 1260 (J-8L) low bias <10%

SDG J47171-1: WM-CB-03-20150122-S: Aroclor 1260 (J-8L) low bias.

Field Duplicates

The RPD control limit is 20% (30% for Aroclor 1232) for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. All field precision criteria were met.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & M-FD-02-20150122-S, was submitted. All field precision criteria were met.

Reporting Limits

The target reporting limits specified in the QAPP were not always met due reduced sample aliquots, dilution, and/or high moisture content.

Compound Identification

The samples listed below contained a mixture of Aroclor 1254 and Aroclor 1260 with insufficient separation between them to quantify the Aroclors individually. For the samples listed below, the entire amount was quantitated as the predominate Aroclor of the two, with the other being reported as not-detected. Results for Aroclor 1260 and Aroclor 1254 were estimated (J/UJ-14) in these samples.

SDG	Qualified Samples
J45906-1	CC-A-01-2014013-S CC-CB-04-2014013-S CC-CB-22-2014013-S
J46549-1	BD-MH-13.43-20141202-S BD-MH-9.66-20141203-S
J46558-1	BD-MH-10.9-201412032-S
J46739-1	DS-TD-O1-20141216-S DS-CB-I3-20141216-S DS-CB-H1-20141216-S

Reported Results

SDG J46690-1: For Sample SC-CB-24-20141211-S, the RPD value between columns for Aroclor 1248 was greater than the control limit of 40%. The laboratory reported the greater of the two values and flagged the result with a 'P'. The 'P' flagged result was estimated (J-3).

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate, MS/MSD, and LCS/LCSD recoveries and precision was acceptable as demonstrated by the field duplicate, LCS/LCSD, and MS/MSD RPD values.

Results were estimated based on surrogate recovery, MS/MSD recovery, and MS/MSD RPD outliers. Results were also estimated based on the inability to separate peaks for overlapping Aroclors. One result was estimated based on a confirmation column RPD outlier.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Diesel Range Organics and Motor Oil by NWTPH-Dx

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Test America Inc., Tacoma, Washington, performed the analysis. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Sediment & 1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	3 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J47135-1	3 Sediment	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	3 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

With the exceptions noted below, the laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG J45232-1: The motor oil matrix spike result was not reported in the pdf or electronic data deliverable (EDD). The lab was contacted and provided the missing documentation.

SDG J45835-1: The diesel and motor oil method blank and laboratory control sample/laboratory control sample duplicate (LCS/LCSD) results were not reported in the original submission of the PDF or EDD. The laboratory was contacted and submitted the missing documentation.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; the following errors were found.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-S	CC-A-01-2014013-S
CC-CB-04-2014**1**013-S	CC-CB-04-2014013-S
CC-CB-22-2014**1**013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Laboratory Duplicates
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Surrogate Compounds	✓	Reporting Limits
✓	Laboratory Control Samples (LCS/LCSD)	2	Reported Results
2	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)		

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received one sample cooler with a temperature outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

Laboratory Blanks

SDG J45232-1: Diesel was detected in the method blank. The result in Sample QC-EB-01-20140903-W was qualified as not-detected (U-7).

SDG J45906-1: Diesel was detected in the method blank. The associated results were greater than the action level of 5x the blank concentration; no data were qualified.

Field Blanks

SDG J45232-1: One equipment blank, QC-EB-01-20140903-W, was submitted. After qualification due to method blank contamination, a positive result for motor oil remained in this blank. The associated sample result was greater than the action level of 5x the blank concentration; no data were qualified.

Matrix Spikes/Matrix Spike Duplicates

For matrix spike/matrix spike duplicate (MS/MSD) percent recovery (%R) values that were less than the lower control limit, positive results and/or non-detects in the parent sample were estimated (J/UJ-8L) to indicate a potential low bias. For %R values greater than the upper control limit, only positive results in the parent sample were estimated (J-8H) to indicate a potential high bias. For relative percent difference (RPD) values greater than the control limit, positive results in the associated samples were estimated (J-9). No action was taken if only one of the MS or MSD %R values was outside of the control limit.

Samples used for the MS/MSD analyses and outliers resulting in qualification of data are noted below:

SDG J46549-1: BD-OWS-15-20141203-S: diesel and motor oil (J-8H) high bias

SDG J46739-1: DS-TD-O1-20141216-S: diesel (J-8L) low bias

SDG J47345-1: WM-MH-61-20150203-S: diesel (J-8,9) no bias, RPD

SDG J47459-1: ST-CB-08-20150210-S: diesel (J-8L,9) low bias, RPD; motor oil (J-8,9) no bias, RPD

Laboratory Duplicates

Laboratory duplicates were analyzed at the proper frequency, with the exceptions noted below. The laboratory duplicate relative percent difference (RPD) control limit is 35% for results greater than five times (5x) the reporting limit (RL). For results less than the RL, the difference between the sample and duplicate must be less than the 2x the RL. Laboratory precision was acceptable.

QC Samples and outliers are noted below:

SDG J45354-1: UG-MH-60-20140911-S: diesel and motor oil (J-9)

Field Duplicates

The laboratory RPD control limit is 35% for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. All field precision criteria were met.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. All field precision criteria were met.

Reported Results

The laboratory flagged the diesel and motor oil results with a 'Y' to indicate when the chromatographic response resembled a typical fuel pattern, but did not match the calibration standard. These "Y" flagged results were estimated (J-2).

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exception noted above, accuracy was acceptable as demonstrated by the surrogate, laboratory control sample/laboratory control sample duplicate (LCS/LCSD), and MS/MSD recoveries and precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, laboratory duplicate, and field duplicate RPD values.

Results were estimated because the chromatographic pattern did not match the calibration standards. Data were also estimated based on laboratory duplicate RPD, MS/MSD %R, and MS/MSD RPD outliers. One data point was qualified as not detected due to method blank contamination.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Gasoline Range Organics by NWTPH-Gx

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Test America, Inc., Tacoma, Washington, performed the analysis. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	1 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	2 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J47135-1	3 Sediment &1 Trip Blank	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	1 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

With the exceptions noted below, the laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG J46558-1: No laboratory QC data were included in the data package. The laboratory was contacted and submitted a revised data package and EDD.

The laboratory analyzed and reported results for Samples DS-CB-I3-20141216-S and DS-CB-H1-20141216-S, which were not requested on the chain of custody (COC). No further action was taken other than to note the discrepancy.

II. VERIFICATION OF EDD TO LABORATORY REPORT

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report; the following error was found:

The analytical method for gasoline was reported as NWT**HP**-Gx in the EDD. The method was corrected to NWT**PH**-Gx.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-20141013-S	CC-A-01-2014013-S
CC-CB-04-20141013-S	CC-CB-04-2014013-S
CC-CB-22-20141013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	2	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
2	Surrogate Compounds	1	Field Duplicates
2	Laboratory Blanks	✓	Target Analyte List
1	Field Blanks	✓	Reporting Limits
✓	Laboratory Control Samples (LCS/LCSD)	✓	Reported Results

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received several sample coolers with temperatures outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

SDG J45232-1: Sample QC-EB-01-20140903-W was received with headspace in the sample container. The gasoline result was estimated (UJ-1).

SDG J47135-1: Sample AS-CB-02-20150120-S was received by the laboratory with less than the documented ten (10) mL sample volume of methanol due to an improperly sealed sample container. Because sample integrity was compromised, the gasoline result was estimated (J-1).

Surrogate Compounds

SDG J45354-1: The %R value for the surrogate 4-bromofluorobenzene was greater than the upper control limit in Sample UG-FD-01-20140911-S. The gasoline result was estimated (J-13H) to indicate a potential high bias.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level was established at five times (5x) the concentration reported in the blank. If a contaminant was detected in an associated field sample and the concentration was less than the action level, the result was qualified as not detected (U-7) at the reported concentration. No action was taken if the sample result was greater than the action level, or for non-detected results. The gasoline results for the following samples were qualified (U-7) based on method blank contamination:

SDG J46549-1: Sample BD-MH-9.66-20141203-S

SDG J46739-1: Samples DS-TD-O1-20141216-S and DS-CB-I3-20141216-S

SDG J47135-1: Sample TB-20150120

SDG J47459-1: Sample ST-CB-08-20150210-S

Field Blanks

SDG J45232-1: One equipment blank, QC-EB-01-20140903-W, was submitted with this SDG. Gasoline range organics were not detected in this blank.

SDG J47135-1: One trip blank, TB-20150120, was submitted with this SDG. After method blank qualification, no positive results remained in this sample. No data were qualified.

Matrix Spikes/Matrix Spike Duplicates

SDG J46739-1: The matrix spike/matrix spike duplicate (MS/MSD) relative percent difference value was greater than the control limit of 35%. The gasoline result for the parent sample was estimated (J-9).

Field Duplicates

The RPD control limit is 35% for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. The RPD value for gasoline was greater than the control limit.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. The RPD value for gasoline was greater than the control limit.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate LCS/LCSD, and MS/MSD recovery values and precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and field duplicate RPD values.

Detection limits were elevated based on method blank contamination. Data were estimated based on compromised sample integrity, an MS/MSD precision outlier, and a surrogate recovery outlier.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Metals by Method 6020 and Mercury by Method 7471A

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. TestAmerica, Inc., Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Sediment 1 Equipment Blank	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	3 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	3 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J47135-1	3 Sediment	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	3 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO HARDCOPY VERIFICATION

A complete (100%) verification of the EDD results was performed by comparison to the hardcopy laboratory data package. The following errors were noted.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-S	CC-A-01-2014013-S
CC-CB-04-2014**1**013-S	CC-CB-04-2014013-S
CC-CB-22-2014**1**013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Duplicates
1	Method Blanks	1	Field Duplicates
1	Field (Equipment Rinsate) Blanks	✓	Reporting Limits
✓	Laboratory Control Samples (LCS/LCSD)	✓	Reported Results
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received several sample coolers with temperatures outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

Method Blanks

SDG J45295-1: Lead was detected in the method blank. The associated sample result was greater than the action level of 5x the blank concentration; no data were qualified.

SDG J45906-1: Copper was detected in the method blank. The associated results were greater than the action level; no data were qualified.

Field Blanks

SDG J45232-1: One equipment blank, QC-EB-01-20140903-W, was submitted. Zinc was detected in this blank. The associated sample results were greater than the action level of 5x the blank concentration; no data were qualified.

Matrix Spike/Matrix Spike Duplicates

The laboratory recovery control limits are 80%-120%. For matrix spike/matrix spike duplicate (MS/MSD) recoveries less than the lower control limit, results in the associated samples were estimated (J/UJ-8L) to indicate a potential low bias. For recoveries greater than the upper control limit, positive results only in the associated samples were estimated (J-8H) to indicate a potential high bias. No action was taken if only one of the MS or MSD recoveries was outside of the control limits. For MS/MSD relative percent difference values greater than the control limit of 20%, associated results were estimated (J-9).

QC Samples and outliers resulting in qualification of data are noted below:

SDG J45906-1: CC-CB-22-2014013-S: lead (J-8H) high bias

SDG J46549-1: BD-MH-13.43-20141202-S: chromium (J-9) RPD

SDG J47171-1: WM-CB-03-20150122-S: chromium (J-8H) high bias; chromium, nickel (J-9) RPD

SDG J47459-1: ST-CB-08-20150210-S chromium (J-8H) high bias.

Field Duplicates

The field duplicate relative percent difference (RPD) control limit is 20% for results greater than 5x the RL. For results less than the RL, the difference between the sample and duplicate must be less than the 2x RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

Field duplicate samples and any outliers are noted below:

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. All field precision criteria were met.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. The RPD values for nickel and mercury were greater than the control limits.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and MS/MSD percent recovery values and precision was acceptable as demonstrated by the MS/MSD, LCS/LCSD, laboratory duplicate and field duplicate RPD values.

Data were estimated based on MS/MSD recovery and MS/MSD precision outliers.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Total and Dissolved Metals by Method 200.8 and Total and Dissolved Mercury by Method 7470A

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. TestAmerica, Inc., Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
J45232-1	2 Water & 1 Equipment Blank	EPA Stage 2A
J45294-1	2 Water	EPA Stage 2A
J45354-1	1 Water	EPA Stage 2A
J45834-1	1 Water	EPA Stage 2A
J45906-1	2 Water	EPA Stage 2A
J46021-1	3 Water	EPA Stage 2A
J46558-1	1 Water	EPA Stage 2A
J46690-1	1 Water	EPA Stage 2A
J46717-1	2 Water	EPA Stage 2A
J46739-1	1 Water	EPA Stage 2A
J46851-1	3 Water & 1 Equipment Blank	EPA Stage 2A
J47133-1	1 Water	EPA Stage 2A
J47171-1	1 Water	EPA Stage 2A
J47345-1	1 Water	EPA Stage 2A
J47459-1	3 Water	EPA Stage 2A

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG J46851-1: Dissolved metals were reported by the laboratory for Sample QC-EB-02-20141222-W. This was not requested on the chain-of-custody (COC); however the case narrative notes the analysis was indicated on the sample container. No action was taken beyond noting this discrepancy.

II. EDD TO HARDCOPY VERIFICATION

A complete (100%) verification of the EDD results was performed by comparison to the hardcopy laboratory data package. The following errors were noted.

There were several cases where the mercury method requested on the COC did not match the method referenced by the laboratory. No action was taken as SW 7470 and EPA 245.1 are equivalent methods.

SDG J45354-1: The COC and sample container labels did not match for Sample UG-MH-60-20140914-W. The sample containers were labeled UG-MH-60-20140911-W. This sample was logged in and reported by the laboratory as UG-MH-60-20140914-W.

SDG J45906-1: The sample IDs in the PDF and EDD did not match the COC. The laboratory omitted a "1" in the sample ID. No action was taken, except to note the discrepancies.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-W	CC-A-01-2014013-W
CC-FD-02-2014**1**013-W	CC-FD-02-2014013-W

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Duplicates
2	Laboratory Blanks	**1**	Field Duplicates
2	Field (Equipment Rinsate) Blanks	✓	Reporting Limits
✓	Laboratory Control Samples (LCS/LCSD)	**2**	Reported Results
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory several sample coolers with temperatures outside control limits, the highest at 11.2°C. These temperature outliers did not impact data quality and no data were qualified.

Laboratory Blanks

In order to evaluate the effect of method blank contamination on the field samples, action levels were established at 5x the blank concentration. Positive results in the associated samples that were less than the action level were qualified as not-detected (U-7). No action was taken for results in the associated samples that were greater than the action levels or for non-detects.

SDG J45354-1: Zinc was detected in the method blank. The result in the associated sample was greater than the action level; no data were qualified.

SDG J46690-1: Cadmium and mercury were detected in the method blanks. The mercury result in Sample SC-MH-20-20141211-W was qualified as not detected (U-7).

SDG J46717-1: Cadmium was detected in the method blank. The cadmium results in Samples BD-MH-5.16-20141215-W and BD-MH-11.31-20141215-W were qualified as not detected (U-7).

SDG J46739-1: Copper was detected in the method blank. The result in the associated sample was greater than the action level; no data were qualified.

SDG J46851-1: Mercury, total and dissolved, was detected in the method blanks. There were no positive results in the associated samples; no data were qualified.

Field Blanks

SDG J45232-1: One equipment blank, QC-EB-01-20140903-W, was submitted. Zinc was detected in this blank. Associated sample results for zinc were greater than the action level five of times (5x) the blank concentration; no data were qualified.

SDG J46851-1: One equipment blank, QC-EB-02-20141222-W, was submitted. Total and dissolved copper were detected in this blank. The result for total copper in Sample BD-MH-12.56-20141222-W was less than the action level and was qualified as not detected (U-6).

Field Duplicates

The field duplicate relative percent difference (RPD) control limit is 35% for results greater than 5x the RL. For results less than the RL, the difference between the sample and duplicate must be less than the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45906-1: One set of field duplicates was submitted: CC-A-01-2014013-W and CC-FD-02-2014013-W. All field precision criteria were met.

SDG J47459-1: One set of field duplicates, ST-TS-01-20150210-W & ST-FD-02-20150210-W, was submitted. The RPD value for chromium was greater than the control limit.

Reported Results

SDG J46851-1: Mercury was reported by both SW7470A and 245.1; both sets of results were identical. The results for method 245.1 were flagged do-not-report (DNR-11) in order to have only one result per sample.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable as demonstrated by the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) percent recovery values and precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, laboratory duplicate and field duplicate RPD values.

Data were qualified as not detected based on method and field blank contamination.

Data were flagged as do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

Data that were flagged DNR are not useable for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Conventional Analyses

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. TestAmerica, Incorporated, Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
J45232-1	1 Sediment & 1 Equipment Blank	EPA Stage 2A
J45232-2	1 Sediment	EPA Stage 2A
J45295-1	1 Sediment	EPA Stage 2A
J45354-1	3 Sediment	EPA Stage 2A
J45835-1	2 Sediment	EPA Stage 2A
J45906-1	3 Sediment	EPA Stage 2A
J46549-1	3 Sediment	EPA Stage 2A
J46558-1	1 Sediment	EPA Stage 2A
J46690-1	3 Sediment	EPA Stage 2A
J46739-1	3 Sediment	EPA Stage 2A
J47135-1	3 Sediment	EPA Stage 2A
J47171-1	2 Sediment	EPA Stage 2A
J47345-1	3 Sediment	EPA Stage 2A
J47459-1	2 Sediment	EPA Stage 2A

The analytical tests that were performed are summarized below:

Parameter	Method
Grain Size	Plumb, 1981
Total Solids (TS)	SM 2540B
Total Organic Carbon (TOC)	SW 9060

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. EDD TO HARDCOPY VERIFICATION

A complete (100%) verification of the EDD results was performed by comparison to the hardcopy laboratory data package. Laboratory QC results were also verified (10%).

Total Solids were not reported as an analyte in the EDDs.

SDG J45835-1: The chain-of-custody (COC) did not match the PDF and EDD for Sample SP-**CB**-09-20141008-S. The laboratory logged-in this sample with a sample ID of SP-**OWS**-09-20141008-S. The ID was corrected in the EDD; no further action was taken.

SDG J45906-1: The sample ID used in the PDF and electronic data deliverable (EDD) did not match the chain-of-custody (COC). The laboratory omitted a "1" in the sample ID.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-S	CC-A-01-2014013-S
CC-CB-04-2014**1**013-S	CC-CB-04-2014013-S
CC-CB-22-2014**1**013-S	CC-CB-22-2014013-S

SDG J46739-1: The sample ID in the PDF and EDD did not match the COC for Sample DS-TD-01-20141216-S. The laboratory used a sample ID of DS-TD-**O**1-20141216-S.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Duplicates
✓	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Reporting Limits
✓	Laboratory Control Samples	✓	Reported Results
✓	Matrix Spikes (MS)		

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received several sample coolers with temperatures outside control limits, the highest at 14.5°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

SDG J45232-2: Total organic carbon (TOC) analysis for Sample CS-CB-01-20140903-S was requested by the client 10/14/2014, 41 days after sample collection. Because TOC was analyzed outside of the holding time criterion, this result was estimated (J-1).

SDG J45295-1: Sample PS-TS-01-20140909-S was analyzed for TOC after the holding time; the sample result was estimated (J-1).

Field Blanks

SDG J45232-1: One equipment blank, QC-EB-01-20140903-W, was submitted. TOC was detected in this blank. The TOC results in the associated samples were greater than the action level of 5x the blank concentration. No qualification of data was required.

Field Duplicates

The relative percent difference (RPD) control limit is 20% for results greater than five times (5x) the reporting limit (RL). For results less than the 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45354-1: One set of field duplicates, UG-MH-60-20140911-S& UG-FD-01-20140911-S, was submitted. All field precision criteria were met.

SDG J47171-1: One set of field duplicates, WM-CB-03-20150122-S & WM-FD-02-20150122-S, was submitted. All field precision criteria were met.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) recoveries. Precision was also acceptable, as demonstrated by the LCS/LCSD, MS/MSD, field duplicate, and laboratory duplicate relative percent difference values.

Results were estimated based on exceeded holding times.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Sampling Support
Conventional Analyses

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. TestAmerica, Incorporated, Tacoma, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
J45232-1	2 Water & 1 Equipment Blank	EPA Stage 2A
J45294-1	2 Water & 1 Equipment Blank	EPA Stage 2A
J45294-2	1 Water	EPA Stage 2A
J45354-1	1 Water	EPA Stage 2A
J45834-1	1 Water	EPA Stage 2A
J45906-1	2 Water	EPA Stage 2A
J46021-1	3 Water	EPA Stage 2A
J46558-1	1 Water	EPA Stage 2A
J46690-1	1 Water	EPA Stage 2A
J46717-1	2 Water	EPA Stage 2A
J46739-1	1 Water	EPA Stage 2A
J46851-1	3 Water	EPA Stage 2A
J47133-1	1 Water	EPA Stage 2A
J47171-1	1 Water	EPA Stage 2A
J47345-1	1 Water	EPA Stage 2A
J47459-1	3 Water	EPA Stage 2A

The analytical tests that were performed are summarized below:

Parameter	Method
Anions (Cl, NO_3, SO_4)	EPA 300.0 & 353.2
Alkalinity	EPA 310.1 & SM2320
pH	SM 4500H+B
Total Suspended Solids (TSS)	SM 2540D
Total Organic Carbon (TOC) & Dissolved Organic Carbon (DOC)	SM 5310B
Conductivity	EPA 120.1
Oil and Grease	EPA1664A
Turbidity	SM2130B
Hexavalent Chromium	EPA 3500 Cr D

I. DATA PACKAGE COMPLETENESS

With the exceptions noted below, the laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG J45354-1: Alkalinity was requested for Sample UG-MH-60-20140914-W. Alkalinity was not reported for this sample. The laboratory was contacted and confirmed the sample had not been logged in for alkalinity. Due to the time sensitive nature of the method, analysis could no longer be performed.

SDG J45294-1: Dissolved organic carbon (DOC) was not analyzed as requested for the samples in this SDG. The laboratory submitted a DOC result for Sample PS-TS-01-20140909-W in **SDG J45294-2**; however DOC was not reported for Sample PS-OS-01-20140909-W.

II. EDD TO HARDCOPY VERIFICATION

A complete (100%) verification of the electronic data deliverable (EDD) results was performed by comparison to the hardcopy laboratory data package. Laboratory QC results were also verified (10%).

SDG J45354-1: The chain-of-custody (COC) and sample container labels did not match for Sample UG-MH-60-2014091**4**-W. The sample containers were labeled UG-MH-60-2014091**1**-W. This sample was logged in and reported by the laboratory as UG-MH-60-2014091**4**-W.

SDG J45906-1: The sample IDs in the PDF and EDD did not match the COC . The laboratory omitted a "1" in the sample ID. No action was taken, except to note the discrepancies.

Original COC ID	Laboratory Report/EDD ID
CC-A-01-2014**1**013-W	CC-A-01-2014013-W
CC-FD-02-2014**1**013-W	CC-FD-02-2014013-W

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	**2**	Laboratory Duplicates
✓	Laboratory Blanks	**1**	Field Duplicates
1	Field Blanks	**1**	Reporting Limits
1	Laboratory Control Samples	**2**	Reported Results
2	Matrix Spikes (MS)		

✓Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
[1] Quality control results are discussed below, but no data were qualified.
[2] Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 0° to 6°C. The laboratory received one sample cooler with a temperature outside control limits, at 11.2°C. The samples were delivered to the laboratory within a few hours of sampling, which did not allow adequate time for equilibration with ice in the cooler. No action was taken based on the temperature outliers.

SDG J45294-1: For samples PS-TS-01-20140909-W and PS-OS-01-20140909-W, pH was analyzed outside of the holding time criterion. The results for pH were estimated (J-1).

SDG J45294-2: For Sample PS-TS-01-20140909-W, DOC was analyzed outside of the holding time criterion. The DOC result was estimated (J-1).

SDG J46021-1: Samples were not filtered in the field for DOC. The laboratory filtered a portion of the unpreserved samples prior to analysis.

SDG J45834-1: For Sample SP-OWS-01-20141008-W, the HEM (oil & grease), HEM Polar (oil & grease-polar), and SGT-HEM analyses were performed after the holding time for unpreserved samples. These results were estimated (UJ-1).

SDG J45906-1: Nitrate and pH were analyzed outside of holding time criteria for samples CC-A-01-2014013-W and CC-FD-02-2014013-W. The results for these analytes were estimated (J-1).

SDG J46558-1: For Sample BD-OWS-02-20141203-W, pH was analyzed outside of the holding time criterion. The result for pH in this sample was estimated (J-1).

SDG J46690-1: The nitrate and pH analyses for Sample SC-MH-20-20141211-W were done after the holding time had expired. The results for these analytes were estimated (J/UJ-1) in this sample.

SDG J46717-1: For samples BD-MH-11.31-20141215-W and BD-MH-5.16-20141215-W pH was analyzed outside of hold time criterion. The results for pH in these samples were estimated (J-1).

SDG J46739-1: For Sample DS-CB-F3-20141216-W pH was analyzed outside of hold time criterion. The result for pH in this sample was estimated (J-1).

SDG J46851-1: The pH analyses for samples BD-OWS-14-20141222-W, BD-MH-12.56-20141222-W, and BD-MH-1.32-20141222-W were done after the 24 hour holding time. The pH results for these samples were estimated (J-1).

SDG J47133-1: For Sample AS-CB-UNK-20150120-W, pH was analyzed outside of hold time criterion. The result for pH in this sample was estimated (J-1).

SDG J47171-1: For Sample WM-FT-1B-20150122-W, pH was analyzed outside of hold time criterion. The result for pH in this sample was estimated (J-1).

SDG J47345-1: The pH analyses for Sample WM-CB-11-20150203-W was done after the 24 hour holding time. The pH result for this sample was estimated (J-1).

SDG J47459-1: The pH analyses for samples ST-TS-01-20150210-W, ST-FD-02-20150210-W, and ST-0F-01-20150210-W was done after the 24 hour holding time. The pH results for these samples were estimated (J-1).

Field Blanks

SDG J45232-1: One field blank, QC-EB-01-20140903-W, was submitted. Sulfate and total organic carbon were detected in this blank. Results for both analytes in the associated samples were greater than the action levels five times (5x) the concentration reported in the blank; no data

were qualified.

SDG J45294-1: One field blank, QC-EB-02-20140909-W, was submitted for hexavalent chromium analysis. Hexavalent chromium was not detected in this sample; no action was necessary.

Laboratory Control Samples

SDG J45294-1: The laboratory control sample (LCS) percent recovery (%R) value for total suspended solids (TSS) was greater than the upper control limit. There were no positive results for TSS in the associated sample, therefore; no action was taken based on the potential high bias.

Matrix Spikes

SDG J45354-1: The matrix spike (MS) %R value for nitrate was greater than the upper control limit. Nitrate was not detected in the associated sample, therefore; no action was necessary.

SDG J47133-1: The MS %R value for chloride was greater than the upper control limit. The result for chloride was estimated (J-8H) in the associated sample.

SDG J47171-1: The MS/MSD %R values for TOC were greater than the upper control limit. The results for total and dissolved carbon were estimated (J-8H).

Laboratory Duplicates

SDG J45294-1: The relative percent difference (RPD) value for pH was greater than the control limit; the pH results in the associated samples were estimated (J-9).

No laboratory duplicate analysis was performed for total organic carbon (TOC) or alkalinity. Laboratory precision could not be assessed for these analyses.

SDG J45294-2: No laboratory duplicate analysis was performed for dissolved organic carbon (DOC). Laboratory precision could not be assessed.

SDG J45354-1: The RPD value for total suspended solids (TSS) was greater than the control limit. The result for TSS in the associated sample was estimated (J-9).

No laboratory duplicate analyses were performed for TOC or DOC. Laboratory precision could not be assessed.

SDG J47345-1: No laboratory duplicate analyses were performed for TSS, alkalinity, or conductivity. Laboratory precision could not be assessed for these analyses.

SDG J47459-1: No laboratory duplicate analyses were performed for TSS or alkalinity. Laboratory precision could not be assessed for these analyses.

Field Duplicates

The relative percent difference (RPD) control limit is 35% for results greater than five times (5x) the reporting limit (RL). For results less than the 5x the RL, the difference between the sample and duplicate must be less than the RL. Qualification of results based on field duplicate outliers was not required; however data users should consider the impact of field precision on the reported results.

SDG J45906-1: One set of field duplicates was submitted: CC-A-01-2014013-W and CC-FD-02-2014013-W. All field precision criteria were met.

SDG J47459-1: One set of field duplicates, ST-TS-01-20150210-W & ST-FD-02-20150210-W, was submitted. Field precision was acceptable.

Reporting Limits

SDG J46717-1: Sample BD-MH-11.31-20141215-W was analyzed at a 100x dilution for method 300.0 due to high levels of chloride in the sample.

Reported Results

SDG J45294-1: Sample PS-OS-01-20140909-W was reanalyzed due to an LCS outlier. Both sets of data were reported. The result from the initial analysis was flagged do-not-report (DNR-11) in favor of the result form the reanalysis.

SDG J45354-1: The DOC result was greater than the TOC for Sample UG-MH-60-20140914-W. The total and dissolved results did not meet standard analytical precision criteria. The results for TOC and DOC were estimated (J-14) in this sample.

SDG J45834-1: The DOC result was greater than TOC result for sample SP-OWS-01-20141008-W. The difference between results fell within normal analytical precision criteria; no data were qualified.

SDG J46739-1: The DOC result was greater than the TOC result for Sample DS-CB-F3-20141216-W. The difference between results fell within normal analytical precision; no data were qualified.

SDG J46851-1: The DOC results were greater than the TOC results for samples BD-MH-12.56-20141222-W and BD-MH-1.32-20141222-W. The difference between results fell within normal analytical precision; no data were qualified.

SDG J47459-1: The DOC results were greater than the TOC results for Samples ST-TS-01-20150210-W, ST-FD-02-20150210-W, and ST-0F-01-20150210-W. The difference between results fell within normal analytical precision; no data were qualified.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, and MS/MSD recoveries and precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, field duplicate, and laboratory duplicate RPD values.

Data were estimated based on exceeded holding times and for dissolved results that were greater than the corresponding total result. Data were also estimated based on MS/MSD recovery and laboratory duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

Data that were flagged DNR should not be used for any purpose. All other data, as qualified, are acceptable for use.

ECOCHEM
Data Quality

APPENDIX A

DATA QUALIFIER DEFINITIONS
REASON CODES
AND CRITERIA TABLES

DATA VALIDATION QUALIFIER CODES
Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.

DATA QUALIFIER REASON CODES

Group	Code	Reason for Qualification
Sample Handling	1	Improper Sample Handling or Sample Preservation (i.e., headspace, cooler temperature, pH, summa canister pressure); Exceeded Holding Times
Instrument Performance	24	Instrument Performance (i.e., tune, resolution, retention time window, endrin breakdown, lock-mass)
	5A	Initial Calibration (RF, %RSD, r^2)
	5B	Calibration Verification (ICV, CCV, CCAL; RF, %D, %R) Use bias flags (H,L)[1] where appropriate
Blank Contamination	6	Field Blank Contamination (Equipment Rinsate, Trip Blank, etc.)
	7	Lab Blank Contamination (i.e., method blank, instrument blank, etc.) Use low bias flag (L)[1] for negative instrument blanks
Precision and Accuracy	8	Matrix Spike (MS &/or MSD) Recoveries Use bias flags (H,L)[1] where appropriate
	9	Precision (all replicates: LCS/LCSD, MS/MSD, Lab Replicate, Field Replicate)
	10	Laboratory Control Sample Recoveries (a.k.a. Blank Spikes) Use bias flags (H,L)[1] where appropriate
	12	Reference Material Use bias flags (H,L)[1] where appropriate
	13	Surrogate Spike Recoveries (a.k.a. labeled compounds, recovery standards) Use bias flags (H,L)[1] where appropriate
Interferences	16	ICP/ICP-MS Serial Dilution Percent Difference
	17	ICP/ICP-MS Interference Check Standard Recovery Use bias flags (H,L)[1] where appropriate
	19	Internal Standard Performance (i.e., area, retention time, recovery)
	22	Elevated Detection Limit due to Interference (i.e., chemical and/or matrix)
	23	Bias from Matrix Interference (i.e. diphenyl ether, PCB/pesticides)
Identification and Quantitation	2	Chromatographic pattern in sample does not match pattern of calibration standard
	3	2nd column confirmation (RPD or %D)
	4	Tentatively Identified Compound (TIC) (associated with NJ only)
	20	Calibration Range or Linear Range Exceeded
	25	Compound Identification (i.e., ion ratio, retention time, relative abundance, etc.)
Miscellaneous	11	A more appropriate result is reported (multiple reported analyses i.e., dilutions, re-extractions, etc. Associated with "R" and "DNR" only)
	14	Other (See DV report for details)
	26	Method QC information not provided

[1] H = high bias indicated
L = low bias indicated

Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Waters/Solids ≤ 6°C & in the dark Tissues <-10°C & in the dark **Preservation Aqueous:** If Cl_2 is present Thiosulfate must be added and if pH > 9 it must be adjusted to 7 - 9	NFG (1) Method(2)	J(pos)/R(ND) if thiosulfate not added if Cl_2 present; J(pos)/UJ(ND) if pH not adjusted J(pos)/UJ(ND) if temp > 20°C	1	**EcoChem PJ, see TM-05** If there is evidence the samples have not been stored properly i.e. not chilled for several days
Holding Time	**If properly stored, 1 year or:** **Extraction (all matrices):** 30 days from collection **Analysis (all matrices)**: 45 days from extraction	NFG (1) Method(2)	If not properly stored: J(pos)/UJ(ND) if HT exceedance	1	**EcoChem PJ, see TM-05** Gross exceedance = > 1 year 2011 NFG **Note:** Under CWA, SDWA, and RCRA the HT for H2O is 7 days.
Instrument Performance					
Mass Resolution (Tuning)	PFK (Perfluorokerosene) >=10,000 resolving power at m/z 304.9824. Exact mass of m/z 380.9760 w/in 5 ppm of theoretical value (380.97410 to 380.97790) . Analyzed prior to ICAL and at the start and end of each 12 hr. shift.	NFG (1) Method (2)	R(pos/ND) all analytes in all samples associated with the tune	24	Notify PM
Windows Defining Mix	Peaks for first and last eluters must be within established retention time windows for each selector group (chlorination level)	NFG (1) Method (2)	If peaks are not completely within windows (clipped): If natives are ok, J(pos)/UJ(ND) homologs (Totals) If natives are affected, R all results for that selector group	24	Notify PM
Column Performance Mix	Both mixes must be analyzed before ICAL and CCAL Valley < 25% (valley = (x/y)*100%) where x = ht. of TCDD (or TCDF) & y = baseline to bottom of valley For all isomers eluting near the 2378-TCDD (TCDF) peak (TCDD only for 8290)	NFG (1) Method (2)	J(pos) if valley > 25%	24	**EcoChem PJ, see TM-05, Rev. 2**; Note: TCDF is evaluated only if second column confirmation is performed
Initial Calibration **Sensitivity**	S/N ratio > 10 for all native and labeled compounds in CS1 std.	NFG (1) Method (2)	If <10, elevate Det. Limit or R(ND)	5A	
Initial Calibration **Selectivity**	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	NFG (1) Method (2)	If 2 or more ion ratios are out for one compound in ICAL, J(pos)	5A	**EcoChem PJ, see TM-05, Rev. 2**
Initial Calibration (Minimum 5 stds.) **Stability**	%RSD < 20% for native compounds %RSD <30% for labeled compounds (%RSD < 35% for labeled compounds under 1613b)	NFG (1) Method (2)	J(pos) natives if %RSD > 20%	5A	
	Absolute RT of $^{13}C_{12}$-1234-TCDD >25 min on DB5 & >15 min on DB-225	NFG (1) Method (2)	Narrate, no action		**EcoChem PJ, see TM-05, Rev. 2**
Continuing Calibration (Prior to each 12 hr. shift) **Sensitivity**	S/N ratio for CS3 standard > 10	NFG (1) Method (2)	If <10, elevate Det. Limit or R(ND)	5B	
Continuing Calibration (Prior to each 12 hr. shift) **Selectivity**	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	NFG (1) Method (2)	No action if %D acceptable, review sample ion ratios, U(pos) if ion ratio outside limits	25	**EcoChem PJ, see TM-05**

Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Instrument Performance (continued)					
Continuing Calibration (Prior to each 12 hr. shift) **Stability**	%D+/-20% for native compounds %D +/-30% for labeled compounds **(Must meet limits in Table 6, Method 1613B)** If %D in the closing CCAL are within 25%/35%, the mean RF from the two CCAL may be used to calculate samples **(Section 8.3.2.4 of 8290)**.	NFG (1) Method (2)	**Labeled compounds:** Narrate, no action. **Native compounds:** 1613: J(pos)/UJ(ND)if %D is outside Table 6 limits J(pos)/R(ND) if %D is +/-75% of Table 6 limits 8290: J(pos)/UJ(ND) if %D = 20% - 75% J(pos)/R(ND) if %D > 75%	5B (H,L)[3]	
	Absolute RT of $^{13}C_{12}$-1234-TCDD and $^{13}C_{12}$-123789-HxCDD should be +/- 15 seconds of ICAL RRT for all other compounds must meet criteria listed in Table 2 Method 1316.	NFG (1) Method (2)	Narrate, no action	5B	**EcoChem PJ, see TM-05**
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	NFG (1) Method (2)	U(pos) if result is < 5X action level.	7	**Hierarchy of blank review:** **#1 - Review MB, qualify as needed** **#2 - Review FB , qualify as needed**
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL		U(pos) if result is < 5X action level.	6	
Precision and Accuracy					
MS/MSD (recovery)	**MS/MSD not typically required for HRMS analyses.** If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	Qualify parent only unless other QC indicates systematic problems: J(pos) if both %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias **PJ if only one %R outlier**	8 (H,L)[3]	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only.
MS/MSD (RPD)	**MS/MSD not typically required for HRMS analyses.** If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) in parent sample if RPD > CL	9	Qualify parent sample only.
LCS (or OPR)	One per lab batch (of ≤ 20 samples) Use most current laboratory control limits **or** Limits from Table 6 of 1613B	NFG (1) Method (2)	Qualify all associated samples J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias **PJ if only one %R outlier**	10 (H,L)[3]	No action if only one spike %R is outside criteria, when LCSD is analyzed. Qualify all associated samples.
LCS/LCSD (RPD)	**LCSD not typically required for HRMS analyses.** One set per matrix and batch of 20 samples RPD < 35%	Method (2) Ecochem standard policy	J(pos) assoc. compound in all samples	9	Qualify all associated samples.
Lab Duplicate (RPD)	One per lab batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos)/UJ(ND) if RPD > CL	9	

PCB Congener Analysis by HRMS, EPA SW-846, Methods 1668c

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Waters/Unfrozen Tissues ≤ 6°C & in the dark Solids/Tissues <-10°C & in the dark **Preservation Aqueous:** Cl_2 present but Thiosulfate not added pH not adjusted when required	EPA (1) Method(2)	J(pos)/R(ND) if thiosulfate not added if Cl_2 present; J(pos)/UJ(ND) if pH not adjusted J(pos)/UJ(ND) if temp > °C	1	**EcoChem PJ, see TM-05, Rev. 2** If there is evidence the samples have not been stored properly i.e. not chilled for several days
Holding Time	If properly stored, 1 year prior to extraction. If properly stored, 1 year from extraction to analysis.	EPA (1) Method(2)	If not properly stored: J(pos)/UJ(ND) if HT exceedance	1	**EcoChem PJ, see TM-05, Rev. 2** Gross exceedance = > 1 year Note: Under CWA, SDWA, and RCRA the HT for H2O is 7 days.
Instrument Performance					
Mass Resolution (Tuning)	>=10,000 resolving power at m/z 330.9792 <5 ppm deviation from each m/z listed in Table 7 of method. Analyzed prior to ICAL and at the beginning and end of each 12 hr. shift	EPA (1) Method (2)	R(ND) all analytes in all samples associated with the tune	24	
Window Defining Mix and Column Performance Mix	Mix of all 209 PCBs run prior to each ICAL and each 12 hour shift RT of PCB209 must be > 55 min PCB 156 & 157 must coelute w/in 2 sec PCB34 & 23 and PCB187 & 182 must be resolved where ((x/y)*100%) < 40% x = ht. of valley and y = ht of shortest peak	EPA (1) Method (2)	J(pos) if valley > 25%	24	**EcoChem PJ, see TM-05, Rev. 2**;
Initial Calibration **Sensitivity**	S/N ratio > 10 for all native and labeled compounds in CS1 std.	EPA (1) Method (2)	If <10, elevate Det. Limit or R(ND)	5A	
Initial Calibration **Retention Time**	Ion Abundance ratios within QC limits (Table 8 of method 1668C)	EPA (1) Method (2)	If 2 or more ion ratios are out for one compound in ICAL, J(pos)	5A	**EcoChem PJ, see TM-05, Rev. 2**
Initial Calibration (Minimum 5 stds.) **Stability**	%RSD < 20% for native compounds %RSD <30% for labeled compounds	EPA (1) Method (2)	J(pos) natives if %RSD > 20%	5A	
Continuing Calibration (Prior to each 12 hr. shift) **Sensitivity**	S/N ratio for CS3 standard > 10	EPA (1) Method (2)	If <10, elevate Det. Limit or R(ND)	5B	
Continuing Calibration (Prior to each 12 hr. shift) **Retention Time**	Ion Abundance ratios within QC limits (Table 8 of method 1668C)	EPA (1) Method (2)	No action if %D acceptable, review sample ion ratios, U(pos) if ion ratio outside limits	25	**EcoChem PJ, see TM-05, Rev. 2**

PCB Congener Analysis by HRMS, EPA SW-846, Methods 1668c

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Continuing Calibration (Prior to each 12 hr. shift) **Stability**	%D+/-20% for native compounds %D +/-30% for labeled compounds **(Must meet limits in Table 6, Method 1668C)**	EPA (1) Method (2)	**Labeled compounds:** Narrate, no action. **Native compounds:** J(pos)/UJ(ND)if %D is outside limits J(pos)/R(ND) if %D is +/-75% of limits	5B (H,L)[3]	
	Absolute RT of all Labelled Compounds and Window Defining Congeners must be +/- 15 sec of RT in ICAL RRT of all compounds must meet Table 2 of method.	EPA (1) Method (2)	Narrate, no action	5B	**EcoChem PJ, see TM-05, Rev. 2**
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	EPA (1) Method (2)	U(pos) if result is < 5X	7	**Heirarchy of blank review:** **#1 - Review MB, quaify as needed** **#2 - Review FB , qualify as needed**
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL		U(pos) if result is < 5X	6	
Precision and Accuracy					
MS/MSD (recovery)	**MS/MSD not typically required for HRMS analyses.** If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	Qualify parent only unless other QC indicates systematic problems: J(pos) if both %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias **PJ if only one %R outlier**	8 (H,L)[3]	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only.
MS/MSD (RPD)	**MS/MSD not typically required for HRMS analyses.** If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) in parent sample if RPD > CL	9	Qualify parent sample only.
LCS (or OPR)	One per lab batch (of ≤ 20 samples) %R must meet limits in Table 6 Method 1668C	EPA (1) Method (2)	Qualify all associated samples J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias **PJ if only one %R outlier**	10 (H,L)[3]	No action if only one spike %R is outside criteria, when LCSD is analyzed. Qualify all associated samples.
LCS/LCSD (RPD)	**LCS/LCSD not typically required for HRMS analyses.** If lab analyzes LCS/LCSD then one set per matrix and batch of 20 samples RPD < 35%	EcoChem standard policy	J(pos) assoc. compound in all samples	9	Qualify all associated samples.
Lab Duplicate (RPD)	One per lab batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos)/UJ(ND) if RPD > CL	9	

PCB Congener Analysis by HRMS, EPA SW-846, Methods 1668c

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Labeled Compounds (Internal Standards)	Added to all samples %R must meet limits in Table 6 Method 1668C	EPA (1) Method (2)	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	13 (H,L)[3]	See next tab for labled compound associations as per Table 2 Method 1668
Field Duplicates	Solids: RPD <50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project **(EcoChem PJ)**	9	
Compound ID and Calculation					
Quantitation/ Identification	All ions for each isomer must maximize within +/- 2 seconds. S/N ratio >2.5 Ion ratios must meet criteria listed in Table 8 of 1668C; RRTs w/in limits in Table 2 of 1668C	EPA (1) Method (2)	Narrate in report; qualify if necessary NJ(pos) for retention time outliers. U(pos) for ion ratio outliers.	25	**EcoChem PJ, see TM-05, Rev. 2**
EMPC (estimated maximum possible concentration)	If quantitation identification criteria are not met, laboratory should report an EMPC value.	EPA (1) Method (2)	If laboratory correctly reported an EMPC value, qualify the native compound U to indicate that the value is a detection limit and qualify total homolog groups J(+)	25	**Use PJ See TM-05, Rev. 2.**
Interferences	Interferences from chlorodiphenyl ether compounds	EPA (1) Method (2)	J(pos)/UJ(ND) if present	23	
	Lock masses must not deviate +/- 20% from values in Table 7 of 1668C	Method (2)	J(pos)/UJ(ND) if present	24	
Calculation Check	Check 10% of field & QC sample results	EcoChem standard policy	Contact laboratory for resolution and/or corrective action	na	Full data validation only.
Electronic Data Deliverable (EDD)					
Verification of EDD to hardcopy data	EcoChem verify @ 10% unless problems noted; then increase level up to 100% for next several packages.		Depending on scope of problem, correct at EcoChem (minor issues) to resubmittal by laboratory (major issues).	na	EcoChem Project Manager and/or Database Administrator will work with lab to provide long-term corrective action.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	

(pos): Positive Result(s)
(ND): Non-detects

[1] USEPA Region 2 Data Validation, Standard Operating Procedure for EPA Method 1668A, Revision 1, September 2008

[1] USEPA Region 3 Interim Guidelines for the Validation of Data Generated Using Method 1668 PCB Congener Data, Revision 0, April 2004

[1] USEPA Region 10 SOP For the Validation of Method 1668 Toxic, Dioxin-like, PCB Data, Revision 1, December 1995

[2] EPA Method 1668, Rev.C, Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS, April 2010

Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8260C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	4°C±2°C Aqueous: HCl to pH < 2 Current SW846 criterion is ≤ 6° C [3]	NFG [1] Method [3]	If required by project: J (pos)/UJ (ND) if greater than 6° C	1	Use PJ for temp outliers; see TM20 if pH ≤ 2, reject 2-chloroethyl vinyl ether (R-1) some projects may require methanol preserved soils/seds
Holding Time	Aqueous: 14 days preserved 7 Days: unpreserved Solid: 14 Days	NFG [1] Method [3]	J (pos)/UJ (ND) if HT exceeded J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Gross exceedance = > 2x HT, as per 1999 NFG
Instrument Performance					
Tuning	BFB Beginning of each 12 hour period Use method or project acceptance criteria	NFG [1] Method [3]	R (pos/ND) all analytes in all samples associated with the tune	24	
Initial Calibration Sensitivity	Minimum 5 standards RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders * RRF ≥ 0.005 1,4-dioxane	NFG [1] Method [3]	Use PJ to qualify J (pos)/UJ (ND)	5A	TM-06 EcoChem Policy for the Evaluation and Qualification of GCMS Instrument Performance PJ - no action if response is stable (ICAL RSD and CCAL %D acceptable)
Initial Calibration Stability	%RSD ≤ 20% except: %RSD ≤ 40% poor responders * %RSD ≤ 50% 1,4-dioxane	NFG [1] Method [3]	J (pos) if %RSD > limit	5A	
Initial Calibration Verification	Second source analyzed immediately after ICAL %R 70% - 130%	Method [3]	J (pos) %R > UCL J (pos)/UJ (ND) %R < LCL	5A (H,L)[4]	QAPP may have overriding accuracy limits.
Continuing Calibration Sensitivity	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders * RRF ≥ 0.005 1,4-dioxane	NFG [1] Method [3]	Use PJ to qualify J (pos)/UJ (ND)	5B	see ICAL RRF guidance
Continuing Calibration Stability	%D ≤ 25% except: %D ≤ 40% poor responders * %D ≤ 50% 1,4-dioxane	NFG [1] Method [3]	J (pos) - %D > control limit (high bias) J (pos)/UJ (ND) - %D < -control limit (low bias)	5B (H,L)[4]	
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch (of ≤ 20 samples) No detected compounds > MDL --- No TICs present	NFG [2] Method [3]	U (pos) if result is < 5X or 10X action level --- R (pos) TICs using 10X rule	7	10X action level for methylene chloride, acetone, & 2-butanone. 5X for all other target analytes Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review TB, qualify as needed #3 - Review FB, qualify as needed Note: Actions as per NFG 1999
Trip Blank (TB)	No detected compounds > MDL	NFG [2] Method [3]	U (pos) if result is < 5X or 10X action level	6	
Field Blank (FB)	No detected compounds > MDL	NFG [2] Method [3]	U (pos) if result is < 5X or 10X action level	6	

Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8260C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy					
LCS/LCSD (recovery)	One per matrix per batch (of ≤ 20 samples) LCSD not required by NFG or method Use method acceptance criteria/laboratory limits	Method [3]	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND)%R < 10%	10 (H,L)[4]	No action if only one spike %R is outside criteria when LCSD is analyzed, unless one recovery is <10%. QAPP may have overriding accuracy limits. Qualify all associated samples.
LCS/LCSD RPD	If LCSD analyzed RPD < lab limits	Method [3]	J (pos)	9	Qualify all associated samples. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[4]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Surrogates	Added to all samples Within method/laboratory control limits	NFG [1] Method [3]	J (pos) if %R >UCL J (pos)/UJ (ND) if %R <LCL J (pos)/R (ND) if <10%	13 (H,L)[4]	No action if there are 4+ surrogates and only 1 outlier Qualify all compounds if qualification is required.
Internal Standards	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	NFG [1] Method [3]	J (pos) if > 200% J (pos)/UJ (ND) if < 50% J (pos)/R (ND) if < 25% if RT >30 seconds use PJ	19	Qualify compounds quantified using particular internal standard
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG [1] Method [3]	J (pos) %R > UCL J (pos)/UJ (ND) if both %R < LCL J (pos)/R (ND) if both %R < 10% J (pos)/UJ (ND) if one > UCL & one < LCL, with no bias	8 (H,L)[4]	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only.
MS/MSD (RPD)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG [1] Method [3]	J (pos) If RPD > control limit	9	Qualify parent sample only
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	Use project limits if specified

Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8260C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Identification and Quantitation					
Retention Time Relative Ion Intensities	RRT within 0.06 of standard RRT Ion relative intensity within 20% of standard All ions in std. at > 10% intensity must be present in sample	NFG [1] Method [3]	U (pos) if identification criteria not met	25	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NFG [1] Method [3]	NJ TIC R (pos) if common laboratory contaminants	4	Common laboratory contaminants: aldol condensation products, solvent preservatives, and reagent contaminants
Calibration Range	Results greater than highest calibration standard	EcoChem standard policy	Qualify J (pos)	20	If result from dilution analysis is not reported.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Organic Data Review, June, 2008

[2] National Functional Guidelines for Organic Data Review, Oct, 1999

[3] Method SW846 8260C Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

[4] NFG 2013 suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

(pos): Positive Result

(ND): Non-detect

* "Poor responder" compounds: Acetone, 2-butanone, carbon disulfide, chloroethane, chloromethane, cyclohexane, 1,2-dibromoethane, dichlorodifluoromethane, cis-1,2-dichloroethene, 1,2-dichloropropane, 1,2-dibromo-3-chloropropane, 2-hexanone, isopropylbenzene, methyl acetate, methylene chloride, methylcyclohexane, 4-methyl-2-pentanone, methyl tert-butyl ether, trans-1,2-dichloroethene, trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane criterion is 0.010 RRF; 1,4-dioxane RRF criterion is 0.005.

Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8270D)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	4°C±2°C sediment/tissues may require storage at -20°C	NFG [1] Method [3]	If required by project: J (pos)/UJ (ND) if greater than 6° C	1	Use PJ for temp outliers; see TM20 Current SW846 criterion is ≤ 6° C [3]
Holding Time	Extraction Aqueous: 7 days from collection Extraction Solid: 14 days from collection Analysis (all matrices): 40 days from extraction Holding time may be extended to 1 year for frozen sediments/tissues	NFG [1] Method [3]	J (pos)/UJ (ND) if HT exceeded J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Gross exceedance = > 2x HT, as per 1999 NFG
Instrument Performance					
Tuning	DFTPP Beginning of each 12 hour period Use method or project acceptance criteria	NFG [1] Method [3]	R (pos/ND) all analytes in all samples associated with the tune	24	
Initial Calibration Sensitivity	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	NFG [1] Method [3]	Use PJ to qualify J (pos)/UJ (ND)	5A	TM-06 EcoChem Policy for the Evaluation and Qualification of GCMS Instrument Performance PJ - no action if response is stable (ICAL RSD and CCAL %D acceptable)
Initial Calibration Stability	Minimum 5 standards %RSD ≤ 20.0% except: %RSD ≤ 40.0% poor responders * or co-efficient of determination (r^2) > 0.99	NFG [1] Method [3]	J (pos) if %RSD > limit or r^2 value <0.99	5A	
Initial Calibration Verification Check	Prepared from second source; analyze after each ICAL Percent recovery limits = 70-130%	Method [3]	J (pos) %R > UCL J (pos)/UJ (ND) %R < LCL	5A (H,L)[4]	QAPP may have overriding accuracy limits.
Continuing Calibration Sensitivity	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	NFG [1] Method [3]	Use PJ to qualify J (pos)/UJ (ND)	5B	see ICAL RRF guidance
Continuing Calibration Stability	Prior to sample analysis and every 12 hours %D ≤ 25% except: %D ≤ 40.0% poor responders *	NFG [1] Method [3]	J (pos) - %D > control limit (high bias) J (pos)/UJ (ND) - %D < -control limit (low bias)	5B (H,L)[4]	

Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8270D)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > MDL	NFG [2] Method [3]	U(pos) if result is < 5X or 10X action level	7	10X action level applies to phthalates only. 5X for all other target analytes Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review FB , qualify as needed Note: Actions as per 1999 NFG
	No TICs present		R (pos) TICs using 10X rule	7	
Field Blank (FB)	No detected compounds > MDL	NFG [2] Method [3]	U (pos) if result is < 5X or 10X action level	6	
Precision and Accuracy					
LCS/LCSD (recovery)	One per matrix per batch (of ≤ 20 samples) LCSD not required by NFG or method Use method acceptance criteria/laboratory limits	Method [3]	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND)%R < 10%	10 (H,L)[4]	No action if only one spike %R is outside criteria when LCSD is analyzed, unless one recovery is <10%. QAPP may have overriding accuracy limits. Qualify all associated samples.
LCS/LCSD (RPD)	If LCSD analyzed RPD < lab limits	Method [3]	J (pos)	9	Qualify all associated samples. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[4]	QAPP may have overriding accuracy limits. Some manufacturers have different RM control limits
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG [1] Method [3]	J (pos) %R > UCL J (pos)/UJ (ND) if both %R < LCL J (pos)/R (ND) if both %R < 10% J (pos)/UJ (ND) if one > UCL & one < LCL, with no bias	8 (H,L)[4]	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only.
MS/MSD (RPD)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG [1] Method [2]	J (pos) in parent sample if RPD > CL	9	Qualify parent sample only
Surrogates	Minimum of 3 acid & 3 base/neutral (B/N) compounds added to all samples Within method control limits	NFG [1] Method [3]	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	13 (H,L)[4]	Qualify all compounds in associated fraction. Do not qualify if only 1 acid and/or 1 B/N surrogate is out, unless <10%. If 1 surrogate outlier < 10% then J (pos)/R (ND)

Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 1999 & 2008 and SW-846 Method 8270D)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Internal Standards	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	NFG [1] Method [3]	J (pos) if > 200% J (pos)/UJ (ND) if < 50% J (pos)/R (ND) if < 25% if RT >30 seconds use PJ	19	Qualify compounds quantified using particular internal standard
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	Use project limits if specified
Compound Identification and Quantitation and Calculation					
Retention times and relative ion intensities	RRT within 0.06 of standard RRT Ion relative intensity within 20% of standard All ions in std. at > 10% intensity must be present in sample	NFG [1] Method [3]	U (pos) if identification criteria not met	25	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NFG [1] Method [3]	NJ the TIC unless: R (pos) common laboratory contaminants	4	
Calibration Range	Results greater than highest calibration standard	EcoChem standard policy	Qualify J (pos)	20	If result from dilution analysis is not reported.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Organic Data Review, June, 2008

[2] National Functional Guidelines for Organic Data Review, October, 1999

[3] Method SW846 8270D Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 4, February 2007.

[4] NFG 2013 suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

(pos): Positive Result(s)

(ND): Non-detects

* "Poor responder" compounds: acetophenone, atrazine, benzaldehyde, 1,1'-biphenyl, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, caprolactam, carbazole, 4-chloroaniline, diethylphthalate, di-n-butylphthalate, 3-3'-dichlorobenzidine, dimethylphthalate, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, di-n-octylphthalate, hexachlorobutadiene, hexachlorocyclopentadiene, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, 4-nitrophenol, N-nitrosodiphenylamine, 2,2'-oxybis-(1-chloropropane), 1,2,4,5-tetrachlorobenzene use a 0.010 RRF criterion.

PCB Aroclors by GC
(Based on Organic NFG 2008 and SW-846 Method 8082A)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	4°C ± 2°C Tissue/sediments (may be frozen -20°C)	NFG (1) Method (2)	**If required by project:** J (pos)/UJ (ND) if greater than 6° C	1	Use Professional Judgment (PJ) to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C (3)
Holding Time	**Extraction Aqueous:** 7 days from collection **Extraction Solid:** 14 days from collection **Exraction Tissue/Sediment (frozen):** 1 year **Analysis (all matrices)**: 40 days from extraction	NFG (1) Method (2)	**If required by project:** J (pos)/UJ (ND) if ext/analyzed > HT J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Use PJ to qualify for holding time outlier. Current SW846 does not have an extraction holding time limit.(3) Gross exceedance > 2x HT, as per NFG 1999
Instrument Performance					
Retention Times	Surrogates: TCMX (± 0.05); DCB (± 0.10) Aroclors (± 0.07)	NFG (1)	NJ (pos)/R (ND) results for analytes with RT shifts	24	
Initial Calibration	Minimum 5 point with RSD ≤ 20% OR correlation coefficient (r-value) ≥ 0.995 OR Minimum 6-point with co-efficient of determination (r2-value) ≥ 0.99	NFG (1) Method (4)	J (pos) if %RSD greater than 20% OR r-value < 0.995 OR r^2-value < 0.99	5A	Refer to TM-01 for additional information. Use bias flags (H,L)(5) where appropriate
Initial Calibration Verification (ICV)	No NFG criteria. Project specific.	Project	J (pos) if > UCL J (pos)/UJ (ND) if < LCL	5B	Use bias flags (H,L) where appropriate
Continuing Calibration (Prior to each 12 hr. shift)	%D ± 20%	Method (2)	If > 20% (high bias): J (pos) If <20% (low bias: J (pos)/UJ (ND)	5B	Refer to TM-01 for additional information. Use bias flags (H,L) where appropriate
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	NFG (1) Method (2)	U (pos) if result is less than appropriate 5X action level.	7	**Hierarchy of blank review:** **#1 - Review MB and IB, qualify as needed** **#2 - Review FB , qualify as needed** Note: Actions as per NFG 1999 Note: IB not required by method
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL	NFG (1) Method (2)	U (pos) if result is less than appropriate 5X action level.	6	
Instrument Blanks (IB)	Analyzed at the beginning and end of every 12 hour sequence No analyte > CRQL	NFG (1)	U (pos) if result is less than appropriate 5X action level.	7	
Precision and Accuracy					
MS/MSD (recovery)	One set per matrix per batch (of ≤ 20 samples) AR1016 and AR1260: %R = 29% - 135%, or project limits	NFG (1) Method (2)	Qualify parent only unless other QC indicates systematic problems. J (pos) if both %R > upper control limit (UCL) J (pos)/UJ (ND) if both %R < lower control limit (LCL) J (pos)/R (ND) if both %R < 10%	8	No action if only one spike %R is outside criteria. No action if native analyte conc. > 5x the amount spiked. Use bias flags (H,L) where appropriate. Actions apply to all Aroclors in parent sample.

PCB Aroclors by GC
(Based on Organic NFG 2008 and SW-846 Method 8082A)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy					
MS/MSD (RPD)	One set per matrix per batch (of ≤ 20 samples) AR1016: RPD < 15%, AR1260: RPD < 20% or project limits	NFG [1] Method [2]	Qualify parent only unless other QC indicates systematic problems. J (pos) if RPD > control limit	9	No action if parent is ND.
LCS	One per lab batch (of ≤ 20 samples) AR1016 and AR1260: %R = 50% - 150%, or project limits	NFG [1]	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	10	Use bias flags (H,L) where appropriate. Actions apply to all Aroclors in associated samples.
LCS/LCSD (RPD)	if analyzed use MS/MSD RPD criteria	NFG [1]	J (pos) assoc. compound in all samples	9	LCSD not required by method or NFG
Surrogates	TCMX and DCBP added to every sample %R = 30% - 150% or project limits	NFG [1] Method [2]	J (pos) if either %R > UCL J (pos)/UJ (ND) if either %R < LCL J (pos)/R (ND) if either %R < 10%	13	If %R < 10% (sample dilution is a factor), use PJ Use bias flags (H,L) where appropriate
Internal Standards (if used)	Acceptable Range: IS area = 50% to 200% of CCAL area RT within 30 seconds of CC RT	Method [2]	J (pos) if area > 200% J (pos)/UJ (ND) if area < 50% J (pos)/R (ND) if area < 25% RT > 30 seconds, narrate	19	
Field Duplicates	**Solids:** RPD < 50% OR difference < 2X RL (for results < 5X RL) **Aqueous:** RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	use project limits if specified
Compound Identification/Quantification					
Quantitation/ Identification	Between two columns: RPD < 40% or %D < 25% Within Retention Time Windows on both columns.	NFG [1] Method [2]	J (pos) if RPD = 40% - 60% (25% - 60% for %D) NJ (pos) if > 60% R (pos) if RTW criterion not met	3	See TM-08 for additional info.
Calibration Range	on column concentration < high calibration standard	NFG [1] Method [2]	J (pos) if conc > high standard and sample was not diluted	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	TM-04 Rev. 1 for additional info.
Sample Clean-up					
GPC/Sulfur/ Florisil/Acid	No criteria - cleanups are optional	NFG [1] Method [2]	Use Professional Judgment	14	special cleanups may be required for project cleanup standards may be associated with GPC/florisil cleanups

[1] National Functional Guidelines for Organic Data Review, June, 2008

[2] Polychlorinated Biphenyls (PCBs) by Gas Chromatography USEPA Method SW846 8082A, Feb 2007, Rev. 1

[3] SW846, Chapter 4, Organic Analytes

[4] Determinative Chromatographic Separations , Method 8000C , March 2003, Rev.3

[5] "H" = high bias indicated; "L" = low bias indicated

EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Gasoline Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Gx, June 1997, Wa DOE & Oregon DEQ)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature & Preservation	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6 deg. C	1
Holding Time	Waters: 14 days preserved 7 days unpreserved Solids: 14 Days	J(+)/UJ(-) if hold times exceeded J(+)/R(-) if exceeded > 3X (EcoChem PJ)	1
Initial Calibration	5 calibration points (All within 15% of true value) Linear Regression: $R^2 \geq 0.990$ If used, RSD of response factors ≤20%	Narrate if fewer than 5 calibration levels or if %R >15% J(+)/UJ(-) if R^2 <0.990 J(+)/UJ(-) if %RSD > 20%	5A
Mid-range Calibration Check Std.	Analyzed before and after each analysis shift & every 20 samples. Recovery range 80% to 120%	Narrate if frequency not met. J(+)/UJ(-) if %R < 80% J(+) if %R >120%	5B
Method Blank	At least one per batch (≤10 samples) No results >RL	U (at the RL) if sample result is < RL & < 5X blank result.	7
		U (at reported sample value) if sample result is ≥ RL and < 5X blank result	7
Trip Blank (if required by project)	No results >RL	Action is same as method blank for positive results remaining in trip blank after method blank qualifiers are assigned.	18
Field Blanks (if required by project)	No results > RL	Action is same as method blank for positive results remaining in field blank after method and trip blank qualifiers are assigned.	6
MS samples (accuracy) (if required by project)	%R within lab control limits	Qualify parent only, unless other QC indicates systematic problems. J(+) if both %R > upper control limit (UCL) J(+)/UJ(-) if both %R < lower control limit (LCL) No action if parent conc. >5X the amount spiked. Use PJ if only one %R outlier	8
Precision: MS/MSD or LCS/LCSD or sample/dup	At least one set per batch (≤10 samples) RPD ≤ lab control limit	J(+) if RPD > lab control limits	9

EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Gasoline Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Gx, June 1997, Wa DOE & Oregon DEQ)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
LCS (not required by method)	%R within lab control limits	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10% (EcoChem PJ)	10
Surrogates	Bromofluorobenzene and/or 1,4-difluorobenzene added to all samples (inc. QC samples). %R = 50-150%	J(+)/UJ(-) if %R < LCL J(+) if %R >UCL J(+)/R(-) if any %R <10% No action if 2 or more surrogates are used, and only one is outside control limits. (EcoChem PJ)	13
Pattern Identification	Compare sample chromatogram to standard chromatogram to ensure range and pattern are reasonable match. Laboratory may flag results which have poor match.	J(+)	2
Field Duplicates	Use project control limits, if stated in QAPP EcoChem default: water: RPD < 35% solids: RPD < 50%	Narrate outliers If required by project, qualify with J(+)/UJ(-)	9
Two analyses for one sample (e.g., dilution)	Report only one result per analyte	"DNR" (or client requested qualifier) all results that should not be reported. (See TM-04)	11

EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Diesel & Residual Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Dx, June 1997, Wa DOE & Oregon DEQ)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature & Preservation	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6 deg. C	1
Holding Time	Ext. Waters: 14 days preserved 7 days unpreserved Ext. Solids: 14 Days Analysis: 40 days from extraction	J(+)/UJ(-) if hold times exceeded J(+)/R(-) if exceeded > 3X (EcoChem PJ)	1
Initial Calibration	5 calibration points (All within 15% of true value) Linear Regression: $R^2 \geq 0.990$ If used, RSD of response factors ≤20%	Narrate if fewer than 5 calibration levels or if %R >15% J(+)/UJ(-) if R^2 <0.990 J(+)/UJ(-) if %RSD > 20%	5A
Mid-range Calibration Check Std.	Analyzed before and after each analysis shift & every 20 samples. Recovery range 85% to 115%	Narrate if frequency not met. J(+)/UJ(-) if %R < 85% J(+) if %R >115%	5B
Method Blank	At least one per batch (≤20 samples) No results >RL	U (at the RL) if sample result is < RL & < 5X blank result.	7
		U (at reported sample value) if sample result is ≥ RL and < 5X blank result	7
Field Blanks (if required by project)	No results > RL	Action is same as method blank for positive results remaining in the field blank after method blank qualifiers are assigned.	6
MS samples (accuracy) (if required by project)	%R within lab control limits	Qualify parent only, unless other QC indicates systematic problems. J(+) if both %R > upper control limit (UCL) J(+)/UJ(-) if both %R < lower control limit (LCL) No action if parent conc. >5X the amount spiked. Use PJ if only one %R outlier	8
Precision: MS/MSD or LCS/LCSD or sample/dup	At least one set per batch (≤10 samples) RPD ≤ lab control limit	J(+) if RPD > lab control limits	9
LCS (not required by method)	%R within lab control limits	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10% (EcoChem PJ)	10

EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Diesel & Residual Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Dx, June 1997, Wa DOE & Oregon DEQ)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Surrogates	2-fluorobiphenyl, p-terphenyl, o-terphenyl, and/or pentacosane added to all samples (inc. QC samples). %R = 50-150%	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10% No action if 2 or more surrogates are used, and only one is outside control limits. (EcoChem PJ)	13
Pattern Identification	Compare sample chromatogram to standard chromatogram to ensure range and pattern are reasonable match. Laboratory may flag results which have poor match.	J(+)	2
Field Duplicates	Use project control limits, if stated in QAPP EcoChem default: water: RPD < 35% solids: RPD < 50%	Narrate (Use Professional Judgement to qualify)	9
Two analyses for one sample (dilution)	Report only one result per analyte	"DNR" (or client requested qualifier) all results that should not be reported. (See TM-04)	11

Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler / Storage Temperature Preservation	**Solid:** Cooler temperature 4°C±2°C **Aqueous:** Nitric Acid to pH < 2 **Dissolved Metals:** 0.45 µm filter, preserve to pH < 2 after filtration	NFG [1] Method [2]	Cooler Temps: **If required by project** J (pos)/UJ (ND) if greater than 6° C Aqueous: J (pos)/UJ (ND) if pH > 2	1	Use PJ to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C [4] No quals for pH if samples preserved by lab immediately upon receipt and within 1 day of collection.
Holding Time	All matrices: 180 days from date sampled Frozen soils, sediments, tissues (-20°C) - HT extended to 1 year	NFG [1] Method [2] EcoChem standard policy	J (pos)/UJ (ND) if holding time exceeded	1	
Instrument Performance					
Tune	Analyzed prior to ICAL tunignsolution analyzed 5 times with Std. Dev. ≤ 5% Mass calibration < 0.1 amu difference from target mass Resolution < 0.9 amu @ 10% peak height	NFG [1] Method [2]	J(pos)/UJ(ND) if tune criteria not met	5A	Use PJ to evaluate tune. Alternate Resolution critteria may apply based on instrument specs (i.e <0.75 amu at 5% peak height)
Initial Calibration (ICAL)	Based on instrument requirements, blank + 1 standard minimum requirement for calibration If more than 1 standard used, r ≥ 0.995	NFG [1] Method [2]	J (pos)/UJ (ND) if r < 0.995	5A	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within ± 10% of true value	NFG [1] Method [2]	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5A (H,L)[3]	Qualify all samples in run
Reporting Limit (RL) Standard Low Level ICV/CCV	concentration at RL %R = 70%-130%	Method [2]	J (pos) < 2x RL / R (ND) if %R <50% J (pos) < 2x RL / UJ (ND) if %R 50 - 69% J (pos) < 2x RL if %R > 130%	5A (H,L)[3]	Qualify all samples in run
Continuing Calibration Verification (CCV)	Immediately following ICV/ICB, then every two hours or ten samples, and at end of run. %R within ± 10% of true value	NFG [1] Method [2]	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5B (H,L)[3]	Qualify samples bracketed by CCV outliers

Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Interference Check Samples (ICSA / ICSAB)	ICSAB %R 80% - 120% for all spiked elements | ICSA | < MDL for all unspiked elements	NFG [1] Method [2]	For samples with Al, Ca, Fe, Mg > ICS levels: ICSAB: J(pos)/R (ND) if %R < 50% J (pos)/UJ (ND) if %R = 50% - 79% J (pos) if %R > 120% ICSA: J (pos)< 2x ICSA/UJ (ND) for ICSA <Neg MDL J (pos) < 2x ICSA for ICSA > MDL	17 (H,L)[3]	Use PJ and molecular interferences to evaluate ICSA to determine if bias is present. Refer to TM-14 for additional information.
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG [1] Method [2]	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV | blank concentration | < MDL	NFG [1] Method [2]	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blks: 7 Neg Blks: 7L[3]	Use blanks bracketing samples for Qualification Refer to TM-02 for additional information. Hierarchy of blank review: #1 - Review MB, quaify as needed #2 - Review IB , qualify as needed #3 - Review FB , qualify as needed
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to TM-02 for additional information.
Precision and Accuracy					
Internal Standards (IS)	Added to all samples. All analytes must be associated with an internal standard 60-125% of cal blank IS	NFG [1] Method [2]	J(pos)/UJ(ND) all analytes associated with IS outlier	19	6020A criteria - IS >70% of ICAL std
LCS (recovery)	One per matrix per batch (of ≤ 20 samples); LCSD not required %R between 80-120%	Method [2]	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L)[3]	Qualify all samples in batch QAPP may have overriding accuracy limits. NFG Limits 70% -130%
LCS/LCSD (RPD)	LCSD not required, if analyzed: RPD ≤ 20%	Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	Qualify all samples in batch QAPP may have overriding precision limits.
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples); MSD not required %R between 75-125%	NFG [1] Method [2]	J (pos) if %R > 125% J (pos)/UJ (ND) if %R <75% J (pos)/R (ND) if %R < 30%, unless post digestion spike analyzed, J (pos)/UJ (ND) if post digestion spike %R OK	8 (H,L)[3]	No action if only one spike %R is outside criteria. NA if parent concentration >4x the amount spiked. Qualify all samples in batch. QAPP may have overriding accuracy limits.
Post Digestion Spikes	If MS is outside 75-125%, post-spike should be analyzed %R 80%-120% (method); 75%-125% (NFG)	NFG [1] Method [2]	Only used to support MS qualification decisions	NA	No qualifiers assigned based solely on this element.

Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
MS/MSD (RPD)	MSD not required, if analyzed: RPD ≤ 20%	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	QAPP may have overriding precision limits.
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[3]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Serial Dilution	Analyze one sample per matrix at a 5x dilution %D <10% for original sample conc. > 50x MDL	NFG [1]	J(pos)/UJ(ND) if %D > 10% and native sample concentration > 50x MDL	16	Note serial dilutions for soil are reported in ug/L, but the MDL is in mg/kg. The units need to be adjusted. Qualify all samples in batch.
Field Duplicate	Solids: RPD <50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project (EcoChem PJ) Qualify only field duplicate samples J(pos)/UJ(ND)	9	QAPP may have overriding precision limits.
Compound Quantitation					
Total and Dissolved Comparison	Total > Dissolved	EcoChem standard policy	J (pos)/UJ (ND) if Dissolved > Total and results fall outside of standard duplicate precision criteria	14	
Calibration Range	Results < instrument linear range	NFG [1] Method [2]	if result exceeds linear range and sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Inorganic Superfund Data Review, January 2010.

[2] Method SW846 6020A Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), Revision 1, February 2007.

[3] "H" = high bias indicated; "L" = low bias indicated

[4] SW846, Chapter 3, Inorganic Analytes

(pos): Positive Result

(ND): Not detected

Mercury by CVAA
(Based on Inorganic NFG 2010 and SW846 7470A & 7471B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler / Storage Temperature Preservation	**Solid:** Cooler temperature 4°C±2°C **Aqueous:** Nitric Acid to pH < 2 **Dissolved Metals:** 0.45 µm filter, preserve to pH < 2 after filtration	NFG (1) Method (2)	Cooler Temps: **If required by project** J (pos)/UJ (ND) if greater than 6° C Aqueous: J (pos)/UJ (ND) if pH > 2	1	Use **PJ** to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C (4) No quals for pH if samples preserved by lab immediately upon receipt and within 1 day of collection.
Holding Time	28 days from date sampled Frozen solids and tissues HT extended to 6 months	NFG (1) Method (2) EcoChem standard policy	J (pos)/UJ (ND) if HT exceeded	1	
Instrument Performance					
Initial Calibration (ICAL)	Daily Calibration Blank + 5 standards, one ≤ RL Correlation coefficient (r) ≥ 0.995	NFG (1) Method (2)	J (pos)/UJ (ND) if r < 0.995	5A (H,L)[3]	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after ICAL %R within ± 15% of true value	NFG (1) Method (2)	R(pos/ND) if %R <70% J(pos)/UJ(ND) if %R = 70-84% J(pos) if %R = > 116%	5A (H,L)[3]	Qualify all samples in run
Reporting Limit (RL) Standard	Conc = RL %R = 70-130%	Method (2)	J (pos) < 2x RL / R (ND) if %R <50% J (pos) < 2x RL / UJ (ND) if %R 50 - 69% J (pos) < 2x RL if %R > 130%	5A (H,L)[3]	Qualify all samples in run
Continuing Calibration Verification (CCV)	At beginning of run, every ten samples, and again after last sample. %R within ± 15% of true value	NFG (1) Method (2)	R(pos/ND) if %R <70% J(pos)/UJ(ND) if %R = 70-84% J(pos) if %R = > 116%	5B (H,L)[3]	Qualify samples bracketed by CCV outliers
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG (1) Method (2)	U (pos) if result is < 5X method blank concentration	7	Refer to **TM-02** for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV | blank concentration | < MDL	NFG (1) Method (2)	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blanks: 7 Neg Blanks: 7L[3]	Use blanks bracketing samples for Qualification Refer to **TM-02** for additional information. **Hierarchy of blank review:** **#1 - Review MB, quaify as needed** **#2 - Review IB , qualify as needed** **#3 - Review FB , qualify as needed**
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to **TM-02** for additional information.

Mercury by CVAA
(Based on Inorganic NFG 2010 and SW846 7470A & 7471B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy					
Laboratroy Control Sample (recovery)	One per matrix per batch (of ≤ 20 samples); LCSD not required %R between 80-120%	Method [2]	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L)[3]	Qualify all samples in batch QAPP may have overriding accuracy limits. NFG does not address LCS
LCS/LCSD (RPD)	LCSD not required, if analyzed: RPD ≤ 20%	Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	Qualify all samples in batch QAPP may have overriding precision limits.
Matris Spike/Matrix Spike Duplicate MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples); MSD not required %R between 75-125%	NFG [1] Method [2]	J (pos) if %R > 125% J (pos)/UJ (ND) if %R <75% J (pos)/R (ND) if %R < 30%	8 (H,L)[3]	No action if only one spike %R is outside criteria. NA if parent concentration >4x the amount spiked. Qualify all samples in batch. QAPP may have overriding accuracy limits.
MS/MSD (RPD)	MSD not required, if analyzed: RPD ≤ 20%	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	QAPP may have overriding precision limits.
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[3]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Field Duplicate	Solids: RPD <50% (for results ≥ 5x RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% (for results ≥ 5x RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.

Mercury by CVAA
(Based on Inorganic NFG 2010 and SW846 7470A & 7471B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Quantitation					
Total and Dissolved Comparison	Total > Dissolved	EcoChem standard policy	J (pos)/UJ (ND) if Dissolved > Total and results fall outside of standard duplicate precision criteria	14	
Calibration Range	Results < instrument linear range	NFG [1] Method [2]	if result exceeds linear range and sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	**TM-04** EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Inorganic Superfund Data Review, January 2010.

[2] Method SW846 7470A Mercury in Liquid Waste (Manual Cold-Vapor Technique), Revision 1, September 1994.
Method SW846 7471B Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique), Revision 2, February 2007.

[3] "H" = high bias indicated; "L" = low bias indicated

[4] SW846, Chapter 3, Inorganic Analytes

(pos): Positive Result

(ND): Not Detected

Conventional Methods by Gravimetric Analysis
(i.e., Total Solids, Total Dissolved Solids, Total Suspended Solids, Grain Size)
(Based on Inorganic NFG 2010 and EPA methods)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Cooler temperature: 4°C±2°C Preservation: Analyte/Method Specific	Method [1] NFG[2]	J (pos)/UJ (ND) if preservation requirements not met	1	Use PJ to qualify for cooler temp outliers.
Holding Time	Analyte/Method Specific	Method NFG[2]	J (pos)/UJ (ND) if holding time exceeded	1	
Blank Contamination					
Method Blank (MB)	If required by method,one per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG [1] Method [2]	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Precision and Accuracy					
LCS (If appropriate to method)	One per matrix per batch (of ≤ 20 samples) %R between 80-120%	Method [2]	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L)[3]	Qualify all samples in batch QAPP may have overriding accuracy limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[3]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20% For Grain Size, no action if results for fraction are less than 5%	9	Qualify all samples in batch, except Grain Size - qualify parent only. QAPP may have overriding precision limits.
Field Duplicate	Solids: RPD <50% (for results ≥ 5x RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% (for results ≥ 5x RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.

Conventional Methods by Gravimetric Analysis
(i.e., Total Solids, Total Dissolved Solids, Total Suspended Solids, Grain Size)
(Based on Inorganic NFG 2010 and EPA methods)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Quantitation					
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte per sample	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	

[1] National Functional Guidelines for Inorganic Superfund Data Review, January 2010.

[2] SW846 or EPA Standard Methods

[3] "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result

(ND): Not Detected

Conventional Methods with Instrument Calibrations (i.e., Ion Chromatography, Total Organic Carbon)
(Based on Inorganic NFG 2010 and EPA methods)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Cooler temperature: 4°C±2°C Preservation: Analyte/Method Specific	NFG [1] Method [2]	J (pos)/UJ (ND) if preservation requirements not met	1	Use **PJ** to qualify for cooler temp outliers.
Holding Time	Analyte/Method Specific	NFG [1] Method [2]	J (pos)/UJ (ND) if holding time exceeded	1	
Instrument Performance					
Initial Calibration (ICAL)	blank + multiple standards as per method requirements r ≥ 0.995	NFG [1] Method [2]	J (pos)/UJ (ND) for r < 0.995	5A	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R method specific	NFG [1] Method [2]	J (pos)/UJ (ND) if %R < lower control limit (LCL) J (pos) if %R > upper control limit (UCL)	5A (H,L)[3]	Qualify all samples in run
Continuing Calibration Verification (CCV)	immediately following ICV, every 10 samples, and end of run %R method specific	NFG [1] Method [2]	J(pos)/UJ(ND) if %R < LCL J(pos) if %R > UCL	5B (H,L)[3]	Qualify samples bracketed by CCV outliers
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG [1] Method [2]	U (pos) if result is < 5X method blank concentration	7	Refer to **TM-02** for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV | blank concentration | < MDL	NFG [1] Method [2]	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blanks: 7 Neg Blanks: 7L[3]	Use blanks bracketing samples for Qualification Refer to **TM-02** for additional information. **Hierarchy of blank review:** **#1 - Review MB, quaify as needed** **#2 - Review IB , qualify as needed** **#3 - Review FB , qualify as needed**
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to **TM-02** for additional information.
Precision and Accuracy					
Laboratory Control Sample (LCS)	One per matrix per batch (of ≤ 20 samples) %R within Method control limits (or Laboratory control limtis if none specified in method)	NFG [1] Method [2]	J (pos)/UJ (ND) if %R < LCL J (pos) if %R > UCL	10 (H,L)[3]	Qualify all samples in batch QAPP may have overriding accuracy limits.

Conventional Methods with Instrument Calibrations (i.e., Ion Chromatography, Total Organic Carbon)
(Based on Inorganic NFG 2010 and EPA methods)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Reference Materials (RM, CRM, SRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[3]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Matrix Spike/ Matrix Spike Duplicate (MS/MSD)	Where applicable to method; MSD may not be required One per matrix per batch (of ≤ 20 samples) For samples <4x spike level, %R within method control limits (or Laboratory control limtis if none specified in method)	NFG [(1)] Method [(2)]	J (pos)/UJ (ND) if %R < LCL J (pos) if %R > UCL	8 (H,L)3	Qualify all samples in batch No action if native analyte concentration ≥ 4x spike added. Qualify all samples in batch. QAPP may have overriding accuracy limits.
Laboratory Duplicate (or MS/MSD)	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG [(1)] Method [(2)]	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Field Duplicate	Solids: RPD <50% (for results ≥ 5x RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% (for results ≥ 5x RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.
Compound Quantitation					
Linear Range	Sample concentrations less than highest calibration standard	NFG [(1)] Method [(2)]	If result exceeds linear range & sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	**TM-04** EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Inorganic Superfund Data Review, January 2010.

[2] SW846 or EPA Standard Methods

[3] "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result

(ND): Not Detected

ECOCHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-11	29.8	pg/L	B	U	7
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-130	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-16/32	7.58	pg/L	J, B	U	7
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-174	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-179	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-20/21/33	5.69	pg/L	J, B	U	7
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-31	8.28	pg/L	B	U	7
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-48/75	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-53	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-88/91	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	PCB-99	ND	pg/L		U	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	Total heptaCB	34.4	pg/L	B	J	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	Total hexaCB	92.6	pg/L	B	J	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	Total pentaCB	102	pg/L		J	25
1400647	QC-EB-01-20140903-W	1400647-01	1668C	Total tetraCB	73.1	pg/L		J	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	DecaCB	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-1	11.4	pg/L		U	6
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-111/115	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-120	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-123	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-126	ND	pg/L	D	U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-133/142	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-137	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-156	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-171	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-175	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-189	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-2	2.11	pg/L	J	U	6
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-209	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-3	3.96	pg/L	J	U	6
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-47	16.9	pg/L		U	6
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-52/69	68.7	pg/L		U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400647	CS-TS-01-20140903-W	1400647-02	1668C	PCB-82	ND	pg/L		U	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	Total heptaCB	655	pg/L	B	J	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	Total hexaCB	1000	pg/L	B	J	25
1400647	CS-TS-01-20140903-W	1400647-02	1668C	Total pentaCB	823	pg/L		J	25
1400647	CS-SP-01-20140903-W	1400647-03	1613B	Total HxCDD	1.73	pg/L		J	25
1400647	CS-SP-01-20140903-W	1400647-03	1613B	Total HxCDF	0.768	pg/L		J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-1	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-157	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-175	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-176	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-190	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-207	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-3	6.75	pg/L	J, D	U	6
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-48/75	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	PCB-88/91	ND	pg/L	D	U	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total heptaCB	3150	pg/L	D, B	J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total hexaCB	4770	pg/L	D, B	J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total monoCB	6.75	pg/L	J, D	J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total nonaCB	149	pg/L	D	J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total pentaCB	3600	pg/L	D	J	25
1400647	CS-SP-01-20140903-W	1400647-03	1668C	Total tetraCB	1990	pg/L	D	J	25
1400647	CS-CB-01-20140903-S	1400647-04	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400647	CS-CB-01-20140903-S	1400647-04	1613B	Total PeCDF	87.1	pg/g		J	25
1400647	CS-CB-01-20140903-S	1400647-04	1613B	Total TCDD	14.6	pg/g		J	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	PCB-137	ND	pg/g	D	U	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	PCB-140	ND	pg/g	D	U	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	PCB-147	ND	pg/g	D	U	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	PCB-63	ND	pg/g	D	U	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	PCB-67	ND	pg/g	D	U	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	Total hexaCB	138000	pg/g		J	25
1400647	CS-CB-01-20140903-S	1400647-04	1668C	Total tetraCB	62600	pg/g		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1613B	Total HpCDD	2.15	pg/L		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-105	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-107/109	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-108/112	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-124	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-130	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-167	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-17	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-185	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-193	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-196/203	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-200	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-202	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-51	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	PCB-85/116	ND	pg/L		U	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total heptaCB	159	pg/L		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total hexaCB	255	pg/L		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total octaCB	27.0	pg/L		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total pentaCB	217	pg/L		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total tetraCB	89.8	pg/L		J	25
1400659	PS-TS-01-20140909-W	1400659-01	1668C	Total triCB	43.9	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1613B	1,2,3,4,7,8-HxCDF	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1613B	1,2,3,7,8-PeCDD	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1613B	2,3,4,6,7,8-HxCDF	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1613B	Total HxCDF	33.1	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1613B	Total PeCDD	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	DecaCB	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-103	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-120	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-140	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-188	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-2	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-201	ND	pg/L		U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-208	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-209	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-24/27	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-3	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-63	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-77	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-79	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-81	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	PCB-94	ND	pg/L		U	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total monoCB	3.56	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total nonaCB	111	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total octaCB	986	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total pentaCB	2350	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total tetraCB	488	pg/L		J	25
1400659	PS-OS-01-20140909-W	1400659-02	1668C	Total triCB	226	pg/L		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400659	PS-TS-01-20140909-S	1400659-03	1613B	Total PeCDD	9.12	pg/g		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1613B	Total TCDD	3.60	pg/g		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-111/115	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-113	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-124	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-147	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-189	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-207	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-25	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-26	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-45	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-53	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	PCB-89	ND	pg/g	D	U	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	Total heptaCB	7550	pg/g		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	Total nonaCB	566	pg/g		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	Total pentaCB	8000	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400659	PS-TS-01-20140909-S	1400659-03	1668C	Total tetraCB	2270	pg/g		J	25
1400659	PS-TS-01-20140909-S	1400659-03	1668C	Total triCB	863	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400665	UG-MH-76-20140911-S	1400665-01	1613B	Total TCDD	5.34	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1613B	Total TCDF	19.6	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-113	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-114	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-166	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-175	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-35	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-46	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-7/9	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-79	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-94	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	PCB-96	ND	pg/g	D	U	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	Total diCB	972	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	Total pentaCB	20200	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	Total tetraCB	7390	pg/g		J	25
1400665	UG-MH-76-20140911-S	1400665-01	1668C	Total triCB	2350	pg/g		J	25
1400665	UG-MH-60-20140911-S	1400665-02	1613B	OCDD	6770	pg/g	B, E	J	20
1400665	UG-MH-60-20140911-S	1400665-02	1613B	Total PeCDF	196	pg/g	P	J	23H
1400665	UG-MH-60-20140911-S	1400665-02	1613B	Total TCDF	138	pg/g		J	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	PCB-119	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	PCB-120	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	PCB-173	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	PCB-83	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	PCB-86	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	Total heptaCB	128000	pg/g		J	25
1400665	UG-MH-60-20140911-S	1400665-02	1668C	Total pentaCB	227000	pg/g		J	25
1400665	UG-FD-01-20140911-S	1400665-03	1613B	OCDD	7300	pg/g	B, E	J	20
1400665	UG-FD-01-20140911-S	1400665-03	1613B	Total PeCDF	185	pg/g	P	J	23H
1400665	UG-FD-01-20140911-S	1400665-03	1613B	Total TCDD	38.4	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400665	UG-FD-01-20140911-S	1400665-03	1613B	Total TCDF	134	pg/g		J	25
1400665	UG-FD-01-20140911-S	1400665-03	1668C	PCB-113	ND	pg/g	D	U	25
1400665	UG-MH-60-20140911-W	1400665-04	1613B	1,2,3,4,6,7,8-HpCDD	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1613B	Total HpCDD	6.64	pg/L		J	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-113	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-114	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-119	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-123	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-126	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-129	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-130	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-144	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-167	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-175	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-2	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	PCB-200	ND	pg/L		U	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	Total heptaCB	229	pg/L		J	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	Total hexaCB	377	pg/L		J	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	Total monoCB	2.70	pg/L	J	J	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	Total octaCB	63.7	pg/L		J	25
1400665	UG-MH-60-20140911-W	1400665-04	1668C	Total pentaCB	409	pg/L		J	25
1400737	SP-OWS-01-20141008-W	1400737-01	1613B	1,2,3,4,7,8-HxCDF	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1613B	1,2,3,6,7,8-HxCDF	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1613B	1,2,3,7,8,9-HxCDD	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1613B	Total HxCDD	27.9	pg/L		J	25
1400737	SP-OWS-01-20141008-W	1400737-01	1613B	Total HxCDF	45.4	pg/L		J	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-100	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-11	84.5	pg/L	B	U	7
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-166	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-55	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-58	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-81	ND	pg/L		U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-86	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	PCB-96	ND	pg/L		U	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	Total pentaCB	5340	pg/L	B	J	25
1400737	SP-OWS-01-20141008-W	1400737-01	1668C	Total tetraCB	1960	pg/L	B	J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	1,2,3,4,6,7,8-HpCDD	30400	pg/g	E	J	20
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	1,2,3,4,6,7,8-HpCDF	3830	pg/g	E	J	20
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	OCDD	484000	pg/g	E, D	J	20
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	OCDF	14000	pg/g	E	J	20
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	Total PeCDF	1180	pg/g	P	J	23H
1400737	SP-OWS-01-20141008-S	1400737-02	1613B	Total TCDF	339	pg/g	P	J	23H
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-11	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-120	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-122	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-144	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-145	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-152	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-189	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-191	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-207	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-208	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-81	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	PCB-94	ND	pg/g	D	U	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total diCB	9620	pg/g		J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total heptaCB	673000	pg/g		J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total hexaCB	1110000	pg/g	B	J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total nonaCB	11600	pg/g		J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total pentaCB	1230000	pg/g	B	J	25
1400737	SP-OWS-01-20141008-S	1400737-02	1668C	Total tetraCB	605000	pg/g	B	J	25
1400737	SP-CB-09-20141008-S	1400737-03	1613B	OCDD	19800	pg/g	E	J	20
1400737	SP-CB-09-20141008-S	1400737-03	1613B	Total TCDF	127	pg/g		J	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-129	ND	pg/g	D	U	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-167	ND	pg/g	D	U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-191	ND	pg/g	D	U	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-208	ND	pg/g	D	U	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-44	ND	pg/g	D	U	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	PCB-5/8	ND	pg/g	D	U	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	Total diCB	5210	pg/g		J	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	Total heptaCB	268000	pg/g		J	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	Total hexaCB	325000	pg/g	B	J	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	Total nonaCB	5460	pg/g		J	25
1400737	SP-CB-09-20141008-S	1400737-03	1668C	Total tetraCB	43900	pg/g	B	J	25
1400762	CC-A-01-20141013-W	1400762-01	1613B	1,2,3,4,6,7,8-HpCDF	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1613B	Total HpCDF	1.20	pg/L		J	25
1400762	CC-A-01-20141013-W	1400762-01	1613B	Total HxCDF	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1613B	Total PeCDF	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1668C	PCB-11	78.5	pg/L	B	U	7
1400762	CC-A-01-20141013-W	1400762-01	1668C	PCB-173	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1668C	PCB-25	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1668C	PCB-26	ND	pg/L		U	25
1400762	CC-A-01-20141013-W	1400762-01	1668C	Total triCB	120	pg/L	B	J	25
1400762	CC-FD-02-20141013-W	1400762-02	1613B	Total HpCDD	5.82	pg/L		J	25
1400762	CC-FD-02-20141013-W	1400762-02	1613B	Total HxCDF	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1613B	Total PeCDF	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-103	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-11	80.4	pg/L	B	U	7
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-150	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-198	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-4/10	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-55	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-6	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-63	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-79	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	PCB-96	ND	pg/L		U	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	Total diCB	104	pg/L	B	J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400762	CC-FD-02-20141013-W	1400762-02	1668C	Total octaCB	333	pg/L		J	25
1400762	CC-FD-02-20141013-W	1400762-02	1668C	Total tetraCB	783	pg/L		J	25
1400762	CC-A-01-20141013-S	1400762-03	1613B	1,2,3,7,8-PeCDD	ND	pg/g		U	25
1400762	CC-A-01-20141013-S	1400762-03	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400762	CC-A-01-20141013-S	1400762-03	1613B	Total PeCDD	24.0	pg/g		J	25
1400762	CC-A-01-20141013-S	1400762-03	1613B	Total TCDD	12.0	pg/g		J	25
1400762	CC-A-01-20141013-S	1400762-03	1613B	Total TCDF	77.9	pg/g		J	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	PCB-168	ND	pg/g	D	U	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	PCB-3	ND	pg/g	D	U	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	PCB-4/10	ND	pg/g	D	U	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	PCB-57	ND	pg/g	D	U	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	PCB-6	ND	pg/g	D	U	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	Total diCB	1900	pg/g		J	25
1400762	CC-A-01-20141013-S	1400762-03	1668C	Total monoCB	112	pg/g		J	25
1400762	CC-CB-04-20141013-S	1400762-04	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400762	CC-CB-04-20141013-S	1400762-04	1613B	Total PeCDF	63.4	pg/g		J	25
1400762	CC-CB-04-20141013-S	1400762-04	1613B	Total TCDD	16.8	pg/g		J	25
1400762	CC-CB-04-20141013-S	1400762-04	1613B	Total TCDF	80.3	pg/g		J	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	PCB-100	ND	pg/g	D	U	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	PCB-131	ND	pg/g	D	U	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	PCB-38	ND	pg/g	D	U	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	PCB-6	ND	pg/g	D	U	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	Total diCB	3490	pg/g		J	25
1400762	CC-CB-04-20141013-S	1400762-04	1668C	Total triCB	5510	pg/g	B	J	25
1400762	CC-CB-22-20141013-S	1400762-05	1613B	Total PeCDF	115	pg/g		J	25
1400762	CC-CB-22-20141013-S	1400762-05	1613B	Total TCDD	30.4	pg/g		J	25
1400762	CC-CB-22-20141013-S	1400762-05	1613B	Total TCDF	155	pg/g		J	25
1400762	CC-CB-22-20141013-S	1400762-05	1668C	PCB-110	169000	pg/g	B, E, D	J	20
1400762	CC-CB-22-20141013-S	1400762-05	1668C	PCB-139/149	199000	pg/g	B, E, D	J	20
1400762	CC-CB-22-20141013-S	1400762-05	1668C	PCB-153	170000	pg/g	B, E, D	J	20
1400762	CC-CB-22-20141013-S	1400762-05	1668C	PCB-7/9	ND	pg/g	D	U	25
1400762	CC-CB-22-20141013-S	1400762-05	1668C	Total diCB	3960	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400781	IA-MHS-05-20141020-W	1400781-01	1613B	1,2,3,4,7,8-HxCDD	ND	pg/L		UJ	13L
1400781	IA-MHS-05-20141020-W	1400781-01	1613B	OCDF	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1613B	Total HpCDD	38.6	pg/L		J	25
1400781	IA-MHS-05-20141020-W	1400781-01	1613B	Total HpCDF	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-105	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-11	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-136	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-151	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-16/32	8.92	pg/L	J, B	U	7
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-196/203	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-199	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-51	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-52/69	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-56/60	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-82	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	PCB-85/116	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	Total diCB	ND	pg/L		U	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	Total hexaCB	249	pg/L	B	J	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	Total octaCB	5.27	pg/L		J	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	Total pentaCB	241	pg/L		J	25
1400781	IA-MHS-05-20141020-W	1400781-01	1668C	Total tetraCB	140	pg/L		J	25
1400781	IA-CBN-60-20141020-W	1400781-02	1613B	Total HxCDF	6.72	pg/L		J	25
1400781	IA-CBN-60-20141020-W	1400781-02	1613B	Total TCDF	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-11	46.9	pg/L	B	U	7
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-120	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-122	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-201	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-202	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-206	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-45	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-46	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	PCB-55	ND	pg/L		U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	Total nonaCB	ND	pg/L		U	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	Total octaCB	370	pg/L		J	25
1400781	IA-CBN-60-20141020-W	1400781-02	1668C	Total tetraCB	1010	pg/L	B	J	25
1400781	IA-CV-01-20141020-W	1400781-03	1613B	Total HxCDF	10.3	pg/L		J	25
1400781	IA-CV-01-20141020-W	1400781-03	1613B	Total PeCDF	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-107/109	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-11	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-113	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-147	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-16/32	13.5	pg/L	J, B	U	7
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-185	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-208	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-40	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-51	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-53	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	PCB-89	ND	pg/L		U	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total diCB	50.6	pg/L		J	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total heptaCB	532	pg/L	B	J	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total hexaCB	2260	pg/L	B	J	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total nonaCB	12.8	pg/L		J	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total pentaCB	2620	pg/L		J	25
1400781	IA-CV-01-20141020-W	1400781-03	1668C	Total tetraCB	594	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1613B	1,2,3,4,6,7,8-HpCDD	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1613B	Total HpCDD	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-11	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-12/13	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-120	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-123	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-131	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-140	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-152	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-168	ND	pg/L		U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-173	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-175	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-181	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-197	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-2	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-201	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-206	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-208	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-29	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-3	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-34	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-54	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-58	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-79	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	PCB-83	ND	pg/L		U	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total diCB	625	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total heptaCB	1000	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total hexaCB	5010	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total monoCB	13.8	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total nonaCB	2.05	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total octaCB	246	pg/L		J	25
1400915	BD-OWS-02-20141203-W	1400915-01	1668C	Total triCB	5160	pg/L		J	25
1400915	BD-MH-9.66-20141203-S	1400915-02	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400915	BD-MH-9.66-20141203-S	1400915-02	1613B	Total TCDD	8.69	pg/g		J	25
1400915	BD-MH-9.66-20141203-S	1400915-02	1613B	Total TCDF	66.8	pg/g		J	25
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-105	12900	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-106/118	60000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-110	84100	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-132/161	31000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-135	16200	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-136	15000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-138/163/164	116000	pg/g	B, E	J	20

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-139/149	113000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-141	25200	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-151	33700	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-153	106000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-170	40700	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-171	10100	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-174	45900	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-177	26900	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-179	19800	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-180	104000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-182/187	46400	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-183	22700	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-194	24500	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-196/203	28900	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-199	24400	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-29	ND	pg/g		U	25
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-43/49	35300	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-44	13600	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-47	21000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-52/69	26300	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-61/70	22000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-66/76	24000	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-84/92	31700	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-90/101	77500	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-95/98/102	54400	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-97	16500	pg/g	E	J	20
1400915	BD-MH-9.66-20141203-S	1400915-02	1668C	PCB-99	33000	pg/g	E	J	20
1400915	BD-OWS-15-20141203-S	1400915-03	1613B	Total PeCDF	175	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1613B	Total TCDD	90.5	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1613B	Total TCDF	122	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	PCB-113	ND	pg/g	D	U	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	PCB-198	ND	pg/g	D	U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	PCB-24/27	ND	pg/g	D	U	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	PCB-68	ND	pg/g	D	U	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	Total octaCB	22000	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	Total pentaCB	116000	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	Total tetraCB	42100	pg/g		J	25
1400915	BD-OWS-15-20141203-S	1400915-03	1668C	Total triCB	14300	pg/g		J	25
1400915	BD-MH-10.9-20141203-S	1400915-04	1613B	OCDD	16900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1613B	Total TCDF	557	pg/g		J	25
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-104	ND	pg/g		U	25
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-105	216000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-106/118	546000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-107/109	32000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-108/112	22900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-110	581000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-124	24900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-126	13500	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-128/162	167000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-129	56900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-130	61200	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-132/161	294000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-133/142	30700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-134/143	55100	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-135	95600	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-136	87700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-137	37900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-138/163/164	979000	pg/g	B, E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-139/149	605000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-141	212000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-144	38300	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-146/165	119000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-151	188000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-153	802000	pg/g	E	J	20

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-156	107000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-157	24700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-158/160	113000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-167	41300	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-170	242000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-171	70100	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-174	329000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-177	188000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-178	59200	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-179	138000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-180	729000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-182/187	342000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-183	159000	pg/g	E, D	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-194	191000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-195	70100	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-196/203	212000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-198	13500	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-199	189000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-200	25700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-201	29300	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-202	52100	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-206	146000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-207	13600	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-208	39900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-209	16700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-43/49	38000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-44	61000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-52/69	134000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-61/70	122000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-66/76	39900	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-74	17500	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-77	30500	pg/g	E	J	20

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-82	68300	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-84/92	207000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-85/116	68700	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-87/117/125	187000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-88/91	53200	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-90/101	581000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-95/98/102	382000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-97	149000	pg/g	E	J	20
1400915	BD-MH-10.9-20141203-S	1400915-04	1668C	PCB-99	154000	pg/g	E	J	20
1400915	BD-MH-13.43-20141202-S	1400915-05	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1613B	Total TCDD	118	pg/g		J	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1613B	Total TCDF	129	pg/g		J	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-153	57200	pg/g	E, D	J	20
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-180	55900	pg/g	E, D	J	20
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-19	ND	pg/g	D	U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-25	ND	pg/g	D	U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-54	ND	pg/g	D	U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-57	ND	pg/g	D	U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	PCB-58	ND	pg/g	D	U	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	Total tetraCB	59200	pg/g		J	25
1400915	BD-MH-13.43-20141202-S	1400915-05	1668C	Total triCB	8450	pg/g		J	25
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	1,2,3,4,6,7,8-HpCDD	104000	pg/g	B, E	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	1,2,3,4,6,7,8-HpCDF	25300	pg/g	E	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	OCDD	1160000	pg/g	B, E	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	OCDF	70100	pg/g	E	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	Total HxCDF	30700	pg/g	P	J	23H
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	Total PeCDD	1780	pg/g		J	25
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	Total PeCDF	6130	pg/g	P	J	23H,25
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	Total TCDD	288	pg/g		J	25
1400948	SC-OWS-05-20141211-S	1400948-01	1613B	Total TCDF	1070	pg/g	P	J	23H,25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-110	346000	pg/g	E, D	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-120	ND	pg/g	D	U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-131	ND	pg/g	D	U	25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-152	ND	pg/g	D	U	25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-153	331000	pg/g	E, D	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-180	275000	pg/g	E, D	J	20
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-184	ND	pg/g	D	U	25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-23	ND	pg/g	D	U	25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	PCB-83	ND	pg/g	D	U	25
1400948	SC-OWS-05-20141211-S	1400948-01	1668C	Total triCB	733000	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1613B	1,2,3,4,6,7,8-HpCDD	39400	pg/g	B, E	J	20
1400948	SC-CB-35-20141211-S	1400948-02	1613B	OCDD	442000	pg/g	B, E	J	20
1400948	SC-CB-35-20141211-S	1400948-02	1613B	Total PeCDD	656	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1613B	Total PeCDF	1200	pg/g	P	J	23H
1400948	SC-CB-35-20141211-S	1400948-02	1613B	Total TCDD	105	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1613B	Total TCDF	248	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-108/112	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-140	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-144	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-170	16800	pg/g	E	J	20
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-178	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-19	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-198	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-68	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	PCB-89	ND	pg/g	D	U	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	Total heptaCB	131000	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	Total hexaCB	213000	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	Total octaCB	37700	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	Total pentaCB	193000	pg/g		J	25
1400948	SC-CB-35-20141211-S	1400948-02	1668C	Total triCB	40100	pg/g		J	25
1400948	SC-CB-24-20141211-S	1400948-03	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1400948	SC-CB-24-20141211-S	1400948-03	1613B	OCDD	201000	pg/g	B, E	J	20
1400948	SC-CB-24-20141211-S	1400948-03	1613B	Total PeCDD	337	pg/g		J	25
1400948	SC-CB-24-20141211-S	1400948-03	1613B	Total TCDD	53.4	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400948	SC-CB-24-20141211-S	1400948-03	1613B	Total TCDF	252	pg/g		J	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-140	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-184	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-197	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-57	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-6	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	PCB-68	ND	pg/g	D	U	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	Total diCB	7260	pg/g		J	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	Total hexaCB	376000	pg/g		J	25
1400948	SC-CB-24-20141211-S	1400948-03	1668C	Total octaCB	57100	pg/g		J	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	1,2,3,7,8-PeCDD	ND	pg/L		U	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	2,3,7,8-TCDD	ND	pg/L		U	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	Total PeCDD	45.2	pg/L		J	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	Total PeCDF	192	pg/L		J	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	Total TCDD	ND	pg/L		U	25
1400948	SC-MH-20-20141211-W	1400948-04	1613B	Total TCDF	18.1	pg/L		J	25
1400948	SC-MH-20-20141211-W	1400948-04	1668C	PCB-166	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1613B	1,2,3,4,6,7,8-HpCDF	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1613B	Total HpCDF	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1613B	Total HxCDF	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	PCB-135	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	PCB-147	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	PCB-199	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	PCB-208	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	PCB-85/116	ND	pg/L		U	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	Total hexaCB	505	pg/L		J	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	Total nonaCB	6.14	pg/L		J	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	Total octaCB	46.3	pg/L		J	25
1400958	BD-MH-11.31-20141215-W	1400958-01	1668C	Total pentaCB	476	pg/L		J	25
1400958	BD-MH-5.16-20141215-W	1400958-02	1613B	Total HpCDD	35.4	pg/L		J	25
1400958	BD-MH-5.16-20141215-W	1400958-02	1613B	Total HxCDD	ND	pg/L		U	25
1400958	BD-MH-5.16-20141215-W	1400958-02	1613B	Total HxCDF	12.3	pg/L		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400958	BD-MH-5.16-20141215-W	1400958-02	1668C	PCB-100	ND	pg/L		U	25
1400958	BD-MH-5.16-20141215-W	1400958-02	1668C	PCB-54	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1613B	Total HxCDF	3.59	pg/L		J	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-132/161	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-146/165	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-194	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-199	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-43/49	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-85/116	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-88/91	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	PCB-99	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	Total hexaCB	59.9	pg/L		J	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	Total octaCB	ND	pg/L		U	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	Total pentaCB	84.1	pg/L		J	25
1400970	DS-CB-F3-20141216-W	1400970-01	1668C	Total tetraCB	30.9	pg/L		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1613B	OCDD	8950	pg/g	E	J	20
1400970	DS-TD-01-20141216-S	1400970-02	1613B	Total HxCDF	183	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1613B	Total PeCDF	96.1	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1613B	Total TCDD	33.1	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1613B	Total TCDF	88.0	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-119	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-135	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-144	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-147	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-189	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-205	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-5/8	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-53	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	PCB-81	ND	pg/g	D	U	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	Total diCB	1160	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	Total heptaCB	10700	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	Total hexaCB	26800	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400970	DS-TD-01-20141216-S	1400970-02	1668C	Total octaCB	3020	pg/g		J	25
1400970	DS-TD-01-20141216-S	1400970-02	1668C	Total tetraCB	8290	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1613B	Total HxCDF	98.0	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1613B	Total TCDD	7.90	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1613B	Total TCDF	56.3	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-114	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-135	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-144	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-15	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-185	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-190	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-195	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-196/203	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-26	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-42/59	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-47	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-48/75	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-53	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	PCB-82	ND	pg/g	D	U	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total diCB	435	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total heptaCB	5490	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total hexaCB	17400	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total octaCB	782	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total pentaCB	17300	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total tetraCB	4100	pg/g		J	25
1400970	DS-CB-I3-20141216-S	1400970-03	1668C	Total triCB	1430	pg/g	B	J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1613B	OCDD	10300	pg/g	E	J	20
1400970	DS-CB-H1-20141216-S	1400970-04	1613B	Total HxCDF	434	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1613B	Total PeCDF	507	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1613B	Total TCDD	38.9	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1613B	Total TCDF	242	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-122	ND	pg/g	D	U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-123	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-157	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-173	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-19	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-201	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-4/10	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-55	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-58	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-67	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-79	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	PCB-81	ND	pg/g	D	U	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total diCB	3310	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total heptaCB	19400	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total hexaCB	39400	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total octaCB	5690	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total pentaCB	43800	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total tetraCB	23300	pg/g		J	25
1400970	DS-CB-H1-20141216-S	1400970-04	1668C	Total triCB	10000	pg/g	B	J	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	DecaCB	ND	pg/L	J	U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-105	8.07	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-106/118	19.9	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-108/112	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-110	32.5	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-128/162	6.92	pg/L	J	U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-129	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-130	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-132/161	11.0	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-137	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-138/163/164	38.6	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-139/149	33.2	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-141	7.56	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-146/165	6.74	pg/L	J	U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-151	8.17	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-153	33.4	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-156	3.56	pg/L	J	U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-158/160	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-16/32	15.2	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-170	7.87	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-174	13.3	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-177	7.25	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-179	5.97	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-180	25.4	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-182/187	17.4	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-183	6.74	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-194	5.06	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-199	7.46	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-20/21/33	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-209	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-24/27	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-28	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-37	1.75	pg/L	J	U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-40	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-41/64/71/72	16.1	pg/L	J	U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-43/49	18.9	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-44	14.6	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-47	7.66	pg/L	B	U	7
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-48/75	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-52/69	31.2	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-56/60	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-66/76	9.20	pg/L	J	U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-74	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-84/92	13.2	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-87/117/125	ND	pg/L		U	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-90/101	26.9	pg/L		U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	PCB-95/98/102	23.9	pg/L		U	6
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	Total hexaCB	159	pg/L		J	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	Total pentaCB	161	pg/L		J	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	Total tetraCB	130	pg/L	B	J	25
1400984	BD-OWS-14-20141222-W	1400984-01	1668C	Total triCB	58.4	pg/L		J	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-105	2.10	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-106/118	8.11	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-11	7.78	pg/L	B	U	7
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-110	12.5	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-128/162	2.38	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-138/163/164	10.7	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-139/149	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-153	10.2	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-16/32	9.03	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-170	2.00	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-180	5.36	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-182/187	4.00	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-194	1.85	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-196/203	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-22	2.19	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-25	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-4/10	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-41/64/71/72	6.44	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-43/49	10.3	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-44	6.68	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-45	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-52/69	16.7	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-53	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-56/60	ND	pg/L		U	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-66/76	3.91	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-74	2.57	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-84/92	5.49	pg/L	J	U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-87/117/125	4.15	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-90/101	10.6	pg/L		U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	PCB-95/98/102	11.9	pg/L	J	U	6
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	Total diCB	11.8	pg/L	B	J	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	Total hexaCB	23.3	pg/L		J	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	Total octaCB	1.85	pg/L	J	J	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	Total tetraCB	83.6	pg/L	B	J	25
1400984	BD-MH-12.56-20141222-W	1400984-02	1668C	Total triCB	61.5	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-105	18.7	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-106/118	48.5	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-11	8.77	pg/L	B	U	7
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-110	64.4	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-123	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-128/162	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-129	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-132/161	23.3	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-134/143	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-138/163/164	89.9	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-139/149	63.5	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-141	17.4	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-146/165	12.1	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-151	15.4	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-153	67.5	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-156	8.45	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-157	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-158/160	10.6	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-16/32	4.88	pg/L	J	U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-170	25.4	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-174	28.3	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-177	17.5	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-179	10.0	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-180	59.8	pg/L		U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-182/187	38.2	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-183	15.0	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-191	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-194	14.3	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-199	21.8	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-20/21/33	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-201	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-206	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-22	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-3	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-37	3.23	pg/L	J	U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-41/64/71/72	10.8	pg/L	J	U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-43/49	9.25	pg/L	J	U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-44	13.8	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-52/69	21.8	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-56/60	7.93	pg/L	J	U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-66/76	10.0	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-74	5.42	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-84/92	23.9	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-85/116	ND	pg/L		U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-87/117/125	20.7	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-90/101	50.9	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	PCB-95/98/102	38.6	pg/L		U	6
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total heptaCB	228	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total hexaCB	349	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total monoCB	ND	pg/L	J	U	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total nonaCB	3.31	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total octaCB	71.9	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total pentaCB	326	pg/L		J	25
1400984	BD-MH-1.32-20141222-W	1400984-03	1668C	Total triCB	26.1	pg/L		J	25
1400984	QC-EB-02-20141222-W	1400984-04	1613B	OCDD	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-11	17.9	pg/L	B	U	7

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-17	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-18	5.48	pg/L	B	U	7
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-195	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-196/203	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-20/21/33	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-206	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-208	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-28	3.87	pg/L	J, B	U	7
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-31	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-42/59	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-47	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-53	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-61/70	7.80	pg/L	J, B	U	7
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-97	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	PCB-99	ND	pg/L		U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	Total nonaCB	ND	pg/L	J	U	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	Total octaCB	10.3	pg/L		J	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	Total pentaCB	74.0	pg/L		J	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	Total tetraCB	43.9	pg/L	B	J	25
1400984	QC-EB-02-20141222-W	1400984-04	1668C	Total triCB	16.3	pg/L	B	J	25
1500108	AS-CB-02-20150120-S	1500108-01	1613B	Total TCDD	31.1	pg/g		J	25
1500108	AS-CB-02-20150120-S	1500108-01	1613B	Total TCDF	90.4	pg/g		J	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-100	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-154	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-34	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-54	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-67	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-68	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	PCB-73	ND	pg/g	D	U	25
1500108	AS-CB-02-20150120-S	1500108-01	1668C	Total tetraCB	65300	pg/g		J	25
1500108	AS-CB-05-20150120-S	1500108-02	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500108	AS-CB-05-20150120-S	1500108-02	1613B	Total HxCDF	206	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500108	AS-CB-05-20150120-S	1500108-02	1613B	Total PeCDF	172	pg/g		J	25
1500108	AS-CB-05-20150120-S	1500108-02	1613B	Total TCDD	51.8	pg/g		J	25
1500108	AS-CB-05-20150120-S	1500108-02	1668C	PCB-12/13	ND	pg/g	D	U	25
1500108	AS-CB-05-20150120-S	1500108-02	1668C	PCB-140	ND	pg/g	D	U	25
1500108	AS-CB-05-20150120-S	1500108-02	1668C	Total diCB	19800	pg/g		J	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1613B	Total TCDD	22.5	pg/g		J	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1668C	PCB-108/112	ND	pg/g	D	U	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1668C	PCB-120	ND	pg/g	D	U	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1668C	PCB-123	ND	pg/g	D	U	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1668C	PCB-89	ND	pg/g	D	U	25
1500108	AS-CB-UNR-20150120-S	1500108-03	1668C	Total pentaCB	109000	pg/g		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	1,2,3,6,7,8-HxCDF	ND	pg/L		U	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total HxCDD	88.7	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total HxCDF	143	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total PeCDD	17.7	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total PeCDF	128	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total TCDD	5.95	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1613B	Total TCDF	50.4	pg/L		J	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1668C	PCB-148	ND	pg/L		U	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1668C	PCB-150	ND	pg/L		U	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1668C	PCB-168	ND	pg/L		U	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1668C	PCB-169	ND	pg/L		U	25
1500108	AS-CB-UNR-20150120-W	1500108-04	1668C	PCB-29	ND	pg/L		U	25
1500116	WM-CB-03-20150122-S	1500116-01	1613B	OCDD	12300	pg/g	E	J	20
1500116	WM-CB-03-20150122-S	1500116-01	1613B	Total HpCDF	535	pg/g		J	25
1500116	WM-CB-03-20150122-S	1500116-01	1613B	Total PeCDF	101	pg/g		J	25
1500116	WM-CB-03-20150122-S	1500116-01	1613B	Total TCDD	21.7	pg/g		J	25
1500116	WM-CB-03-20150122-S	1500116-01	1613B	Total TCDF	68.5	pg/g		J	25
1500116	WM-CB-03-20150122-S	1500116-01	1668C	PCB-173	ND	pg/g	D	U	25
1500116	WM-CB-03-20150122-S	1500116-01	1668C	PCB-175	ND	pg/g	D	U	25
1500116	WM-CB-03-20150122-S	1500116-01	1668C	PCB-197	ND	pg/g	D	U	25
1500116	WM-CB-03-20150122-S	1500116-01	1668C	Total heptaCB	51600	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500116	WM-CB-03-20150122-S	1500116-01	1668C	Total octaCB	16800	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1613B	OCDD	11800	pg/g	E	J	20
1500116	WM-FD-02-20150122-S	1500116-02	1613B	Total TCDD	22.8	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-111/115	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-136	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-185	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-201	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-26	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-35	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-48/75	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-51	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	PCB-81	ND	pg/g	D	U	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total heptaCB	60200	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total hexaCB	123000	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total octaCB	19900	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total pentaCB	149000	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total tetraCB	66000	pg/g		J	25
1500116	WM-FD-02-20150122-S	1500116-02	1668C	Total triCB	33100	pg/g	B	J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	1,2,3,4,7,8-HxCDF	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	1,2,3,6,7,8-HxCDD	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	2,3,4,6,7,8-HxCDF	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	Total HxCDD	8.19	pg/L		J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	Total HxCDF	17.3	pg/L		J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1613B	Total PeCDF	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-114	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-134/143	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-171	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-174	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-176	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-177	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-190	ND	pg/L	D	U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-194	ND	pg/L	D	U	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-63	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	PCB-67	ND	pg/L		U	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	Total heptaCB	1120	pg/L		J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	Total hexaCB	3320	pg/L		J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	Total octaCB	359	pg/L		J	25
1500116	WM-FT-IB-20150122-W	1500116-03	1668C	Total pentaCB	4530	pg/L		J	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	1,2,3,4,7,8,9-HpCDF	ND	pg/L		U	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	1,2,3,6,7,8-HxCDF	ND	pg/L		U	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	Total HpCDF	44.8	pg/L		J	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	Total HxCDD	35.3	pg/L		J	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	Total HxCDF	27.6	pg/L		J	25
1500147	WM-CB-11-20150203-W	1500147-01	1613B	Total PeCDF	10.8	pg/L		J	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	DecaCB	ND	pg/L	J	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-111/115	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-114	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-119	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-122	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-124	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-129	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-133/142	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-134/143	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-135	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-157	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-158/160	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-178	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-185	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-201	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-209	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-40	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-63	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	PCB-79	ND	pg/L	D	U	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	Total heptaCB	4020	pg/L		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500147	WM-CB-11-20150203-W	1500147-01	1668C	Total hexaCB	7570	pg/L	B	J	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	Total octaCB	1300	pg/L	B	J	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	Total pentaCB	10900	pg/L	B	J	25
1500147	WM-CB-11-20150203-W	1500147-01	1668C	Total tetraCB	5640	pg/L		J	25
1500147	WM-MH-61-20150203-S	1500147-02	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500147	WM-MH-61-20150203-S	1500147-02	1613B	OCDD	8760	pg/g	B, E	J	20
1500147	WM-MH-61-20150203-S	1500147-02	1613B	Total TCDD	19.1	pg/g		J	25
1500147	WM-MH-61-20150203-S	1500147-02	1613B	Total TCDF	118	pg/g		J	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	PCB-100	ND	pg/g	D	U	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	PCB-152	ND	pg/g	D	U	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	PCB-188	ND	pg/g	D	U	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	PCB-201	ND	pg/g	D	U	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	PCB-54	ND	pg/g	D	U	25
1500147	WM-MH-61-20150203-S	1500147-02	1668C	Total octaCB	19900	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500147	WM-CB-52-20150203-S	1500147-03	1613B	Total TCDD	33.3	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1613B	Total TCDF	109	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-100	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-111/115	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-120	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-140	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-147	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-198	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-200	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-207	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-29	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-57	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-67	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-89	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	PCB-96	ND	pg/g	D	U	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	Total hexaCB	74400	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	Total nonaCB	1960	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500147	WM-CB-52-20150203-S	1500147-03	1668C	Total octaCB	6750	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	Total tetraCB	68300	pg/g		J	25
1500147	WM-CB-52-20150203-S	1500147-03	1668C	Total triCB	24000	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500147	WM-CB-21-20150203-S	1500147-04	1613B	OCDD	6520	pg/g	B, E	J	20
1500147	WM-CB-21-20150203-S	1500147-04	1613B	Total PeCDF	54.3	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1613B	Total TCDD	8.30	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1613B	Total TCDF	37.8	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-144	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-154	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-175	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-185	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-191	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-201	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	PCB-96	ND	pg/g	D	U	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	Total heptaCB	31000	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	Total hexaCB	71700	pg/g		J	25
1500147	WM-CB-21-20150203-S	1500147-04	1668C	Total octaCB	9940	pg/g		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1613B	1,2,3,7,8-PeCDF	ND	pg/L		U	25
1500166	ST-TS-01-20150210-W	1500166-01	1613B	Total PeCDD	18.0	pg/L		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1613B	Total PeCDF	67.5	pg/L		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1613B	Total TCDD	ND	pg/L		U	25
1500166	ST-TS-01-20150210-W	1500166-01	1613B	Total TCDF	35.0	pg/L		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-113	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-140	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-147	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-166	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-198	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-202	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-207	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	PCB-89	ND	pg/L	D	U	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	Total hexaCB	45700	pg/L		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500166	ST-TS-01-20150210-W	1500166-01	1668C	Total nonaCB	1060	pg/L		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	Total octaCB	4800	pg/L		J	25
1500166	ST-TS-01-20150210-W	1500166-01	1668C	Total pentaCB	46100	pg/L	B	J	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	2,3,7,8-TCDD	ND	pg/L		U	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	Total HxCDF	242	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	Total PeCDD	17.1	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	Total PeCDF	62.5	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	Total TCDD	ND	pg/L		U	25
1500166	ST-FD-02-20150210-W	1500166-02	1613B	Total TCDF	33.5	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-107/109	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-122	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-166	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-172	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-173	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-189	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-198	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-35	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-68	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-81	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	PCB-89	ND	pg/L	D	U	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	Total heptaCB	17600	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	Total octaCB	4730	pg/L		J	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	Total pentaCB	39100	pg/L	B	J	25
1500166	ST-FD-02-20150210-W	1500166-02	1668C	Total triCB	4100	pg/L	B	J	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	1,2,3,4,7,8-HxCDD	ND	pg/L		U	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	1,2,3,4,7,8-HxCDF	ND	pg/L		U	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	1,2,3,7,8,9-HxCDD	ND	pg/L		U	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	1,2,3,7,8-PeCDF	ND	pg/L		U	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	Total HxCDD	240	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	Total HxCDF	136	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	Total PeCDD	11.1	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1613B	Total PeCDF	44.3	pg/L		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500166	ST-OF-01-20150210-W	1500166-03	1613B	Total TCDF	4.05	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-114	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-120	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-122	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-126	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-154	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-17	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-173	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-18	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-197	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-199	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-201	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-40	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-48/75	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-53	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-81	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	PCB-96	ND	pg/L	D	U	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	Total octaCB	2520	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	Total pentaCB	26100	pg/L	B	J	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	Total tetraCB	7650	pg/L		J	25
1500166	ST-OF-01-20150210-W	1500166-03	1668C	Total triCB	2330	pg/L	B	J	25
1500166	ST-CB-08-20150210-S	1500166-04	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500166	ST-CB-08-20150210-S	1500166-04	1613B	OCDD	10200	pg/g	B, E	J	20
1500166	ST-CB-08-20150210-S	1500166-04	1613B	Total PeCDD	15.0	pg/g		J	25
1500166	ST-CB-08-20150210-S	1500166-04	1613B	Total TCDD	2.39	pg/g		J	25
1500166	ST-CB-08-20150210-S	1500166-04	1613B	Total TCDF	17.8	pg/g		J	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	PCB-189	ND	pg/g	D	U	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	PCB-191	ND	pg/g	D	U	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	PCB-2	ND	pg/g	D	U	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	PCB-81	ND	pg/g	D	U	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	PCB-89	ND	pg/g	D	U	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	Total heptaCB	39500	pg/g		J	25

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
1500166	ST-CB-08-20150210-S	1500166-04	1668C	Total monoCB	255	pg/g		J	25
1500166	ST-CB-08-20150210-S	1500166-04	1668C	Total pentaCB	94100	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1613B	2,3,7,8-TCDD	ND	pg/g		U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1613B	OCDD	9420	pg/g	B, E	J	20
1500166	ST-CB-04A-20150210-S	1500166-05	1613B	Total PeCDF	45.5	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1613B	Total TCDD	2.60	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1613B	Total TCDF	26.3	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-154	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-189	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-190	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-191	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-197	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-25	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-51	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	PCB-55	ND	pg/g	D	U	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	Total heptaCB	51700	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	Total octaCB	13300	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	Total tetraCB	51400	pg/g		J	25
1500166	ST-CB-04A-20150210-S	1500166-05	1668C	Total triCB	8640	pg/g		J	25
J45232-1	QC-EB-01-20140903-W	580-45232-1	NWTPH-DX	#2 DIESEL	0.21	mg/L	YB	U	7
J45232-1	QC-EB-01-20140903-W	580-45232-1	NWTPH-GX	GASOLINE	0.050	mg/L	U	UJ	1
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8260	TETRACHLOROETHENE	0.21	ug/L	JB	U	7
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	2-METHYLPHENOL	0.17	ug/L	J	J	9
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	3,3'-DICHLOROBENZIDINE	2.0	ug/L	U*	R	8L
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	3-NITROANILINE	0.40	ug/L	U	UJ	8L
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	4-CHLOROANILINE	0.40	ug/L	U*	R	8L
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	4-METHYLPHENOL	0.47	ug/L	J	J	9
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	4-NITROANILINE	0.59	ug/L	U	UJ	8L
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	BENZOIC ACID	14	ug/L		J	9
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	BENZYL ALCOHOL	1.5	ug/L	*	J	9
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1.8	ug/L	J	J	9
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	DIMETHYL PHTHALATE	1.8	ug/L		J	9

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45232-1	QC-EB-01-20140903-W	580-45232-1	SW8270D	PHENOL	3.1	ug/L		J	8L
J45232-1	CS-TS-01-20140903-W	580-45232-2	SW8270D	4-CHLOROANILINE	2.0	ug/L	U*	UJ	10L
J45232-1	CS-TS-01-20140903-W	580-45232-2	SW8270D	BENZOIC ACID	9.5	ug/L	J	U	6
J45232-1	CS-TS-01-20140903-W	580-45232-2	SW8270D	BENZYL ALCOHOL	4.5	ug/L	*	U	6
J45232-1	CS-TS-01-20140903-W	580-45232-2	SW8270D	DI-N-BUTYLPHTHALATE	0.85	ug/L	J	U	6
J45232-1	CS-TS-01-20140903-W	580-45232-2	SW8270D	PHENOL	1.6	ug/L	J	U	6
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	4-CHLOROANILINE	2.0	ug/L	U*	UJ	10L
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	4-METHYLPHENOL	0.84	ug/L	J	U	6
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	BENZOIC ACID	11	ug/L	J	U	6
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	BENZYL ALCOHOL	2.2	ug/L	*	U	6
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	6.8	ug/L	J	U	6
J45232-1	CS-SP-01-20140903-W	580-45232-3	SW8270D	PHENOL	1.1	ug/L	J	U	6
J45232-1	CS-CB-01-20140903-S	580-45232-4	NWTPH-DX	#2 DIESEL	6800	mg/Kg	Y	J	2
J45232-1	CS-CB-01-20140903-S	580-45232-4	SW8082	PCB-AROCLOR 1260	0.051	mg/Kg		J	8L
J45232-2	CS-CB-01-20140903-S	580-45232-4	SW9060	TOTAL ORGANIC CARBON	140000	mg/Kg	H	J	1
J45294-1	PS-TS-01-20140909-W	580-45294-2	SM4500H+B	PH	7.35	SU	HF	J	1,9
J45294-1	PS-TS-01-20140909-W	580-45294-2	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	U*	R	10L
J45294-1	PS-TS-01-20140909-W	580-45294-2	SW8270D	4-CHLOROANILINE	0.39	ug/L	U*	UJ	10L
J45294-1	PS-OS-01-20140909-W	580-45294-3	SM2540D	TOTAL SUSPENDED SOLIDS	98	mg/L	*	DNR	11
J45294-1	PS-OS-01-20140909-W	580-45294-3	SM4500H+B	PH	7.70	SU	HF	J	1,9
J45294-1	PS-OS-01-20140909-W	580-45294-3	SW8270D	3,3'-DICHLOROBENZIDINE	9.7	ug/L	U*	R	10L
J45294-1	PS-OS-01-20140909-W	580-45294-3	SW8270D	4-CHLOROANILINE	1.9	ug/L	U*	UJ	10L
J45294-2	PS-TS-01-20140909-W	580-45294-2	SM5310B	DISSOLVED ORGANIC CARBON	13	mg/L		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	NWTPH-DX	#2 DIESEL	1300	mg/Kg	Y	J	2
J45295-1	PS-TS-01-20140909-S	580-45295-1	NWTPH-DX	MOTOR OIL	6000	mg/Kg	Y	J	2
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1,1,2-TETRACHLOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1,1-TRICHLOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1,2,2-TETRACHLOROETHANE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1,2-TRICHLOROETHANE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1-DICHLOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1-DICHLOROETHENE	7.7	ug/Kg	U	UJ	1

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,1-DICHLOROPROPENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2,3-TRICHLOROBENZENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2,3-TRICHLOROPROPANE	1.5	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2,4-TRICHLOROBENZENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2,4-TRIMETHYLBENZENE	NQ	ug/Kg	NQ*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2-DIBROMOETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2-DICHLOROBENZENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2-DICHLOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,2-DICHLOROPROPANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,3,5-TRIMETHYLBENZENE	1900	ug/Kg	E*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,3-DICHLOROBENZENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,3-DICHLOROPROPANE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	1,4-DICHLOROBENZENE	1.5	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	2,2-DICHLOROPROPANE	7.7	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	2-BUTANONE	28	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	2-CHLOROETHYL VINYL ETHER	7.7	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	2-CHLOROTOLUENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	2-HEXANONE	7.7	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	4-CHLOROTOLUENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	4-ISOPROPYLTOLUENE	48	ug/Kg	*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	4-METHYL-2-PENTANONE	110	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	ACETONE	190	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	ACROLEIN	46	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	ACRYLONITRILE	15	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BENZENE	0.81	ug/Kg	J	J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BROMOBENZENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BROMOCHLOROMETHANE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BROMODICHLOROMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BROMOFORM	1.5	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	BROMOMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CARBON DISULFIDE	1.0	ug/Kg	J	J	1,13H

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CARBON TETRACHLORIDE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CHLOROBENZENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CHLORODIBROMOMETHANE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CHLOROETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CHLOROFORM	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CHLOROMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CIS-1,2-DICHLOROETHENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	CIS-1,3-DICHLOROPROPENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	DIBROMOMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	DICHLORODIFLUOROMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	ETHYLBENZENE	310	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	HEXACHLOROBUTADIENE	3.1	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	IODOMETHANE	23	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	ISOPROPYLBENZENE	100	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	M, P-XYLENE	1600	ug/Kg	E	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	METHYL TERT-BUTYL ETHER	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	METHYLENE CHLORIDE	23	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	NAPHTHALENE	8.7	ug/Kg	*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	N-BUTYLBENZENE	160	ug/Kg	*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	N-PROPYLBENZENE	520	ug/Kg	E*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	SEC-BUTYLBENZENE	44	ug/Kg	*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	STYRENE	3.1	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TERT-BUTYLBENZENE	2.1	ug/Kg	J*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TETRACHLOROETHENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TOLUENE	34	ug/Kg		J	1,13H
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TRANS-1,2-DICHLOROETHENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TRANS-1,3-DICHLOROPROPENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	7.7	ug/Kg	U*	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TRICHLOROETHENE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	TRICHLOROFLUOROMETHANE	1.5	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	VINYL ACETATE	7.7	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260	VINYL CHLORIDE	1.5	ug/Kg	U	UJ	1

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,1,2,2-TETRACHLOROETHANE	44	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,1,2-TRICHLOROETHANE	53	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,1-DICHLOROPROPENE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2,3-TRICHLOROBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2,3-TRICHLOROPROPANE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2,4-TRICHLOROBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2,4-TRIMETHYLBENZENE	16000	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2-DIBROMO-3-CHLOROPROPANE	880	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2-DIBROMOETHANE	71	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,2-DICHLOROBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,3,5-TRIMETHYLBENZENE	13000	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,3-DICHLOROBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,3-DICHLOROPROPANE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	1,4-DICHLOROBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	2-CHLOROETHYL VINYL ETHER	880	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	2-CHLOROTOLUENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	2-HEXANONE	880	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	4-CHLOROTOLUENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	4-ISOPROPYLTOLUENE	510	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	ACETONE	1300	ug/Kg	J	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	BROMOBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	BROMOCHLOROMETHANE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	BROMODICHLOROMETHANE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	BROMOFORM	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CARBON TETRACHLORIDE	88	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CHLOROBENZENE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CHLORODIBROMOMETHANE	88	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CHLOROETHANE	1800	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CHLOROFORM	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CHLOROMETHANE	440	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CIS-1,2-DICHLOROETHENE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	CIS-1,3-DICHLOROPROPENE	71	ug/Kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	DIBROMOMETHANE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	DICHLORODIFLUOROMETHANE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	HEXACHLOROBUTADIENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	IODOMETHANE	880	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	M, P-XYLENE	5000	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	NAPHTHALENE	80	ug/Kg	JB	J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	N-BUTYLBENZENE	2100	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	N-PROPYLBENZENE	1700	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	SEC-BUTYLBENZENE	600	ug/Kg		J	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	STYRENE	180	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	TERT-BUTYLBENZENE	180	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	TOLUENE	150	ug/Kg	J	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	TRANS-1,3-DICHLOROPROPENE	71	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	TRANS-1,4-DICHLORO-2-BUTENE	880	ug/Kg	U	UJ	1
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8260C	VINYL CHLORIDE	71	ug/Kg	U	DNR	11
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW8270D	DIETHYL PHTHALATE	100	ug/Kg	JB	U	7
J45295-1	PS-TS-01-20140909-S	580-45295-1	SW9060	TOTAL ORGANIC CARBON	50000	mg/Kg	H	J	1
J45354-1	UG-MH-60-20140914-W	580-45354-1	SM2540D	TOTAL SUSPENDED SOLIDS	17	mg/L		J	9
J45354-1	UG-MH-60-20140914-W	580-45354-1	SM5310B	DISSOLVED ORGANIC CARBON	12	mg/L		J	14
J45354-1	UG-MH-60-20140914-W	580-45354-1	SM5310B	TOTAL ORGANIC CARBON	6.2	mg/L		J	14
J45354-1	UG-MH-60-20140914-W	580-45354-1	SW8270D	3,3'-DICHLOROBENZIDINE	9.5	ug/L	U*^	UJ	10L
J45354-1	UG-MH-60-20140914-W	580-45354-1	SW8270D	4-CHLOROANILINE	1.9	ug/L	U*	UJ	10L
J45354-1	UG-MH-60-20140914-W	580-45354-1	SW8270D	BENZOIC ACID	3.4	ug/L	J*	J	9
J45354-1	UG-MH-60-20140914-W	580-45354-1	SW8270D	DI-N-BUTYLPHTHALATE	3.8	ug/L	B	U	7
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1016	0.11	mg/Kg		J	9,13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1221	0.027	mg/Kg	U	UJ	13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1232	0.027	mg/Kg	U	UJ	13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1242	0.025	mg/Kg	U	UJ	13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1248	0.025	mg/Kg	U	UJ	13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1254	0.025	mg/Kg	U	UJ	13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8082	PCB-AROCLOR 1260	0.15	mg/Kg		J	8,9,13L
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,1,1,2-TETRACHLOROETHANE	4.9	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,1,2,2-TETRACHLOROETHANE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,1,2-TRICHLOROETHANE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2,3-TRICHLOROBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2,3-TRICHLOROPROPANE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2,4-TRICHLOROBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2,4-TRIMETHYLBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2-DIBROMOETHANE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,2-DICHLOROBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,3,5-TRIMETHYLBENZENE	24	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,3-DICHLOROBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,3-DICHLOROPROPANE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	1,4-DICHLOROBENZENE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	2-BUTANONE	120	ug/Kg		J	13H
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	2-CHLOROETHYL VINYL ETHER	24	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	2-CHLOROTOLUENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	2-HEXANONE	24	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	4-CHLOROTOLUENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	4-ISOPROPYLTOLUENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	4-METHYL-2-PENTANONE	52	ug/Kg	*	J	13H,19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	ACETONE	1100	ug/Kg		J	13H
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	BROMOBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	BROMOFORM	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	CARBON DISULFIDE	10	ug/Kg		J	13H
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	CHLOROBENZENE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	CHLORODIBROMOMETHANE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	CIS-1,3-DICHLOROPROPENE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	ETHYLBENZENE	3.0	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	HEXACHLOROBUTADIENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	ISOPROPYLBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	M, P-XYLENE	8.0	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	NAPHTHALENE	22	ug/Kg	J*	J	13H,19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	N-BUTYLBENZENE	27	ug/Kg	*	J	13H,19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	N-PROPYLBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	O-XYLENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	SEC-BUTYLBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	STYRENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	TERT-BUTYLBENZENE	9.8	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	TETRACHLOROETHENE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	TOLUENE	3.7	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	TRANS-1,3-DICHLOROPROPENE	4.9	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	24	ug/Kg	U*	UJ	19
J45354-1	UG-MH-60-20140911-S	580-45354-2	SW8270D	CHRYSENE	1400	ug/Kg	*	J	10L
J45354-1	UG-MH-60-20140911-S	580-45354-2_DL	NWTPH-DX	#2 DIESEL	5200	mg/Kg	Y	J	2,9
J45354-1	UG-MH-60-20140911-S	580-45354-2_DL	NWTPH-DX	MOTOR OIL	19000	mg/Kg	Y	J	2,9
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	1,2-DICHLOROBENZENE	700	ug/Kg	UH	DNR	11
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	1,4-DICHLOROBENZENE	630	ug/Kg	UH	DNR	11
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	BENZO(A)ANTHRACENE	280	ug/Kg	H*	DNR	11
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	BUTYL BENZYL PHTHALATE	660	ug/Kg	JH	DNR	11
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	CHRYSENE	350	ug/Kg	H	DNR	11
J45354-1	UG-MH-60-20140911-S	580-45354-2_RE	SW8270D	DI-N-OCTYL PHTHALATE	6300	ug/Kg	UH	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3	NWTPH-DX	#2 DIESEL	4600	mg/Kg	Y	J	2
J45354-1	UG-FD-01-20140911-S	580-45354-3	NWTPH-DX	MOTOR OIL	17000	mg/Kg	Y	J	2
J45354-1	UG-FD-01-20140911-S	580-45354-3	NWTPH-GX	GASOLINE	1800	mg/Kg		J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2,3-TRICHLOROBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2,3-TRICHLOROPROPANE	3.7	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2,4-TRICHLOROBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2,4-TRIMETHYLBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,2-DICHLOROBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,3,5-TRIMETHYLBENZENE	18	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,3-DICHLOROBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	1,4-DICHLOROBENZENE	3.7	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	2-BUTANONE	160	ug/Kg		J	13H

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	2-CHLOROTOLUENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	4-CHLOROTOLUENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	4-ISOPROPYLTOLUENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	4-METHYL-2-PENTANONE	23	ug/Kg		J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	ACETONE	650	ug/Kg		J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	BROMOBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	BROMOFORM	3.7	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	CARBON DISULFIDE	4.8	ug/Kg		J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	ETHYLBENZENE	5.0	ug/Kg		J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	HEXACHLOROBUTADIENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	ISOPROPYLBENZENE	4.5	ug/Kg	J	J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	M, P-XYLENE	5.8	ug/Kg	J	J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	NAPHTHALENE	18	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	N-BUTYLBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	N-PROPYLBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	SEC-BUTYLBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	TERT-BUTYLBENZENE	7.4	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	TOLUENE	4.6	ug/Kg	J	J	13H
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	18	ug/Kg	U*	UJ	19
J45354-1	UG-FD-01-20140911-S	580-45354-3	SW8270D	CHRYSENE	1200	ug/Kg	*	J	10L
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	1,2-DICHLOROBENZENE	710	ug/Kg	UH	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	1,4-DICHLOROBENZENE	650	ug/Kg	UH	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	BENZO(A)ANTHRACENE	440	ug/Kg	H*	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	BUTYL BENZYL PHTHALATE	2600	ug/Kg	UH	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	CHRYSENE	750	ug/Kg	H	DNR	11
J45354-1	UG-FD-01-20140911-S	580-45354-3_RE	SW8270D	DI-N-OCTYL PHTHALATE	6500	ug/Kg	UH	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4	NWTPH-DX	#2 DIESEL	510	mg/Kg	Y	J	2
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2,3-TRICHLOROBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2,3-TRICHLOROPROPANE	2.2	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2,4-TRICHLOROBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2,4-TRIMETHYLBENZENE	2.1	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	4.5	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,2-DICHLOROBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,3,5-TRIMETHYLBENZENE	11	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,3-DICHLOROBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	1,4-DICHLOROBENZENE	2.2	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	2-BUTANONE	36	ug/Kg		J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	2-CHLOROTOLUENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	4-CHLOROTOLUENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	4-ISOPROPYLTOLUENE	2.5	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	4-METHYL-2-PENTANONE	11	ug/Kg		J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	ACETONE	210	ug/Kg		J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	BROMOBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	BROMOFORM	2.2	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	CARBON DISULFIDE	2.0	ug/Kg	J	J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	ETHYLBENZENE	3.8	ug/Kg		J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	HEXACHLOROBUTADIENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	M, P-XYLENE	1.9	ug/Kg	J	J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	NAPHTHALENE	1.8	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	N-BUTYLBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	N-PROPYLBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	SEC-BUTYLBENZENE	2.7	ug/Kg	J*	J	13H,19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	TERT-BUTYLBENZENE	4.5	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	TOLUENE	1.2	ug/Kg	J	J	13H
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	11	ug/Kg	U*	UJ	19
J45354-1	UG-MH-76-20140911-S	580-45354-4	SW8270D	CHRYSENE	300	ug/Kg	*	J	10L
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	1,2-DICHLOROBENZENE	43	ug/Kg	UH	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	1,4-DICHLOROBENZENE	12	ug/Kg	JH	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	BENZO(A)ANTHRACENE	58	ug/Kg	H*	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	BUTYL BENZYL PHTHALATE	94	ug/Kg	JH	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	CHRYSENE	140	ug/Kg	H	DNR	11
J45354-1	UG-MH-76-20140911-S	580-45354-4_RE	SW8270D	DI-N-OCTYL PHTHALATE	150	ug/Kg	JH	DNR	11
J45834-1	SP-OWS-01-20141008-W	580-45834-1	EPA1664A	HEM (OIL & GREASE)	4.7	mg/L	U	UJ	1
J45834-1	SP-OWS-01-20141008-W	580-45834-1	EPA1664A	HEM POLAR (OIL AND GREASE - POLAR)	4.7	mg/L	U	UJ	1

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45834-1	SP-OWS-01-20141008-W	580-45834-1	EPA1664A	SGT-HEM	4.7	mg/L	U	UJ	1
J45834-1	SP-OWS-01-20141008-W	580-45834-1	SW8270D	BENZO(GHI)PERYLENE	0.057	ug/L	U*	UJ	10L
J45834-1	SP-OWS-01-20141008-W	580-45834-1	SW8270D	INDENO(1,2,3-CD)PYRENE	0.057	ug/L	U*	UJ	10L
J45835-1	SP-OWS-01-20141008-S	580-45835-1	SW8082	PCB-AROCLOR 1016	0.21	mg/Kg		J	9
J45835-1	SP-OWS-01-20141008-S	580-45835-1	SW8082	PCB-AROCLOR 1260	1.7	mg/Kg		J	8,9
J45835-1	SP-OWS-01-20141008-S	580-45835-1_DL	NWTPH-DX	#2 DIESEL	6600	mg/Kg	Y	J	2
J45835-1	SP-OWS-01-20141008-S	580-45835-1_DL	NWTPH-DX	MOTOR OIL	16000	mg/Kg	Y	J	2
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	1,2,4-TRICHLOROBENZENE	220	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	1,2-DICHLOROBENZENE	240	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	1,3-DICHLOROBENZENE	220	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	1,4-DICHLOROBENZENE	220	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	2-CHLORONAPHTHALENE	88	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	2-CHLOROPHENOL	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	2-METHYLPHENOL	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	4-CHLOROPHENYL-PHENYLETHER	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	ACENAPHTHENE	170	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	ANTHRACENE	190	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BENZO(A)ANTHRACENE	270	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BENZO(A)PYRENE	370	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BENZO(B)FLUORANTHENE	720	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BENZYL ALCOHOL	3600	ug/Kg	*	J	9
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BIS(2-CHLOROETHOXY)METHANE	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	BIS(2-CHLOROETHYL)ETHER	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	CARBAZOLE	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	CHRYSENE	960	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	DIBENZOFURAN	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	DIMETHYL PHTHALATE	3900	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	DI-N-OCTYL PHTHALATE	1200	ug/Kg	J*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	FLUORANTHENE	1600	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	HEXACHLOROETHANE	440	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	N-NITROSODIPHENYLAMINE	220	ug/Kg	U*	UJ	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	PHENANTHRENE	880	ug/Kg	*	J	10L

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45835-1	SP-CB-09-20141008-S	580-45835-2	SW8270D	PYRENE	2200	ug/Kg	*	J	10L
J45835-1	SP-CB-09-20141008-S	580-45835-2_DL	NWTPH-DX	#2 DIESEL	5300	mg/Kg	Y	J	2
J45835-1	SP-CB-09-20141008-S	580-45835-2_DL	NWTPH-DX	MOTOR OIL	14000	mg/Kg	Y	J	2
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	1,2,4-TRICHLOROBENZENE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	1,2-DICHLOROBENZENE	240	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	1,3-DICHLOROBENZENE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	1,4-DICHLOROBENZENE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	1-METHYLNAPHTHALENE	3800	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4,5-TRICHLOROPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4,6-TRICHLOROPHENOL	660	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4-DICHLOROPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4-DIMETHYLPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4-DINITROPHENOL	4400	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,4-DINITROTOLUENE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2,6-DINITROTOLUENE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-CHLORONAPHTHALENE	88	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-CHLOROPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-METHYLNAPHTHALENE	5100	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-METHYLPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-NITROANILINE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	2-NITROPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	3,3'-DICHLOROBENZIDINE	880	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	3-NITROANILINE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	4400	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-CHLOROANILINE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-METHYLPHENOL	880	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-NITROANILINE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	4-NITROPHENOL	4400	ug/Kg	UH*	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	ACENAPHTHENE	120	ug/Kg	H	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	ACENAPHTHYLENE	88	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	ANTHRACENE	210	ug/Kg	H*	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZO(A)ANTHRACENE	350	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZO(A)PYRENE	520	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZO(B)FLUORANTHENE	700	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZO(GHI)PERYLENE	430	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZO(K)FLUORANTHENE	310	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZOIC ACID	11000	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BENZYL ALCOHOL	3700	ug/Kg	H*	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	BUTYL BENZYL PHTHALATE	1800	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	CARBAZOLE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	CHRYSENE	970	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	180	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DIBENZOFURAN	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DIETHYL PHTHALATE	880	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DIMETHYL PHTHALATE	5100	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DI-N-BUTYLPHTHALATE	1200	ug/Kg	JH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	DI-N-OCTYL PHTHALATE	1400	ug/Kg	JH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	FLUORANTHENE	1500	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	FLUORENE	490	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	HEXACHLOROBENZENE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	HEXACHLOROBUTADIENE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	HEXACHLOROETHANE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	260	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	ISOPHORONE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	NAPHTHALENE	2600	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	NITROBENZENE	440	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	N-NITROSODIMETHYLAMINE	4400	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	440	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	N-NITROSODIPHENYLAMINE	220	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	PENTACHLOROPHENOL	880	ug/Kg	UH	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	PHENANTHRENE	780	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	PHENOL	440	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_RE	SW8270D	PYRENE	2500	ug/Kg	H	DNR	11
J45835-1	SP-CB-09-20141008-S	580-45835-2_REDL	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	58000	ug/Kg	H	DNR	11
J45906-1	CC-A-01-2014013-W	580-45906-1	EPA300.0	NITRATE	0.22	mg/L	JH	J	1
J45906-1	CC-A-01-2014013-W	580-45906-1	SM4500H+B	PH	7.06	SU	HF	J	1
J45906-1	CC-A-01-2014013-W	580-45906-1	SW8270D	BENZOIC ACID	1.1	ug/L	J*	J	9
J45906-1	CC-A-01-2014013-W	580-45906-1	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2.0	ug/L	JB*	U	7
J45906-1	CC-FD-02-2014013-W	580-45906-2	EPA300.0	NITRATE	0.22	mg/L	JH	J	1
J45906-1	CC-FD-02-2014013-W	580-45906-2	SM4500H+B	PH	7.07	SU	HF	J	1
J45906-1	CC-FD-02-2014013-W	580-45906-2	SW8270D	BENZOIC ACID	1.4	ug/L	J*	J	9
J45906-1	CC-FD-02-2014013-W	580-45906-2	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	4.0	ug/L	B*	U	7
J45906-1	CC-A-01-2014013-S	580-45906-3	NWTPH-DX	#2 DIESEL	2600	mg/Kg	BY	J	2
J45906-1	CC-A-01-2014013-S	580-45906-3	NWTPH-DX	MOTOR OIL	10000	mg/Kg	Y	J	2
J45906-1	CC-A-01-2014013-S	580-45906-3	SW6020	LEAD	250	mg/Kg		J	8H
J45906-1	CC-A-01-2014013-S	580-45906-3	SW8082	PCB-AROCLOR 1254	0.017	mg/Kg	U	UJ	14
J45906-1	CC-A-01-2014013-S	580-45906-3	SW8082	PCB-AROCLOR 1260	1.6	mg/Kg		J	14
J45906-1	CC-CB-04-2014013-S	580-45906-4	NWTPH-DX	#2 DIESEL	840	mg/Kg	BY	J	2
J45906-1	CC-CB-04-2014013-S	580-45906-4	NWTPH-DX	MOTOR OIL	5400	mg/Kg	Y	J	2
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW6020	LEAD	69	mg/Kg		J	8H
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8082	PCB-AROCLOR 1254	0.016	mg/Kg	U	UJ	14
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8082	PCB-AROCLOR 1260	0.43	mg/Kg		J	8,9,14
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	1,2,4-TRICHLOROBENZENE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	1,2-DICHLOROBENZENE	450	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	1,3-DICHLOROBENZENE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	1,4-DICHLOROBENZENE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	1-METHYLNAPHTHALENE	60	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4,5-TRICHLOROPHENOL	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4,6-TRICHLOROPHENOL	1200	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4-DICHLOROPHENOL	820	ug/Kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4-DIMETHYLPHENOL	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4-DINITROPHENOL	8200	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,4-DINITROTOLUENE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,6-DINITROTOLUENE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-CHLORONAPHTHALENE	160	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-CHLOROPHENOL	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-METHYLNAPHTHALENE	73	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-METHYLPHENOL	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-NITROANILINE	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2-NITROPHENOL	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	3,3'-DICHLOROBENZIDINE	1600	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	3-NITROANILINE	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4,6-DINITRO-2-METHYLPHENOL	8200	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-BROMOPHENYL PHENYL ETHER	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-CHLORO-3-METHYLPHENOL	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-CHLOROANILINE	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-CHLOROPHENYL-PHENYLETHER	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-METHYLPHENOL	1600	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-NITROANILINE	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	4-NITROPHENOL	8200	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	ACENAPHTHENE	81	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	ACENAPHTHYLENE	160	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	ANTHRACENE	53	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZO(A)ANTHRACENE	210	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZO(A)PYRENE	280	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZO(B)FLUORANTHENE	560	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZO(GHI)PERYLENE	210	ug/Kg		DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZO(K)FLUORANTHENE	170	ug/Kg	J	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZOIC ACID	21000	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BENZYL ALCOHOL	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BIS(2-CHLOROETHOXY)METHANE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BIS(2-CHLOROETHYL)ETHER	820	ug/Kg	U*	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	8700	ug/Kg	B	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	BUTYL BENZYL PHTHALATE	740	ug/Kg	JB	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	CARBAZOLE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	CHRYSENE	480	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DIBENZ(A,H)ANTHRACENE	330	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DIBENZOFURAN	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DIETHYL PHTHALATE	1600	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DIMETHYL PHTHALATE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DI-N-BUTYLPHTHALATE	4100	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	DI-N-OCTYL PHTHALATE	760	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	FLUORANTHENE	750	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	FLUORENE	92	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	HEXACHLOROBENZENE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	HEXACHLOROBUTADIENE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	HEXACHLOROCYCLOPENTADIENE	820	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	HEXACHLOROETHANE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	INDENO(1,2,3-CD)PYRENE	180	ug/Kg	J	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	ISOPHORONE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	NAPHTHALENE	92	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	NITROBENZENE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	N-NITROSODIMETHYLAMINE	8200	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	N-NITROSODI-N-PROPYLAMINE	820	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	N-NITROSODIPHENYLAMINE	410	ug/Kg	U*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	PENTACHLOROPHENOL	1600	ug/Kg	U	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	PHENANTHRENE	370	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	PHENOL	120	ug/Kg	J*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	PYRENE	540	ug/Kg	*	DNR	11
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,2,3-TRICHLOROBENZENE	2.7	ug/Kg	*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,2,4-TRICHLOROBENZENE	2.4	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,2,4-TRIMETHYLBENZENE	6.2	ug/Kg	*B	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,3,5-TRIMETHYLBENZENE	3.6	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,3-DICHLOROBENZENE	0.77	ug/Kg	J*	J	13H

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	1,4-DICHLOROBENZENE	1.2	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	2-BUTANONE	140	ug/Kg		J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	4-ISOPROPYLTOLUENE	1.1	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	4-METHYL-2-PENTANONE	12	ug/Kg	*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	ACETONE	460	ug/Kg		J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	BENZENE	0.62	ug/Kg	J	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	CARBON DISULFIDE	12	ug/Kg		J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	ETHYLBENZENE	4.6	ug/Kg	*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	HEXACHLOROBUTADIENE	2.9	ug/Kg	*B	U	7
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	ISOPROPYLBENZENE	1.5	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	M, P-XYLENE	14	ug/Kg	*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	NAPHTHALENE	6.0	ug/Kg	J*B	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	N-BUTYLBENZENE	1.6	ug/Kg	J*B	U	7
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	N-PROPYLBENZENE	1.2	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	O-XYLENE	14	ug/Kg	*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	SEC-BUTYLBENZENE	1.4	ug/Kg	J*	J	13H
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	TERT-BUTYLBENZENE	1.2	ug/Kg	J*B	U	7
J45906-1	CC-CB-04-2014013-S	580-45906-4_RA	SW8260	TOLUENE	7.9	ug/Kg	*	J	13H
J45906-1	CC-CB-22-2014013-S	580-45906-5	NWTPH-DX	#2 DIESEL	410	mg/Kg	BY	J	2
J45906-1	CC-CB-22-2014013-S	580-45906-5	NWTPH-DX	MOTOR OIL	1900	mg/Kg	Y	J	2
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW6020	LEAD	180	mg/Kg		J	8H
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8082	PCB-AROCLOR 1254	0.017	mg/Kg	U	UJ	14
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8082	PCB-AROCLOR 1260	1.0	mg/Kg		J	14
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	1,2,4-TRICHLOROBENZENE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	1,2-DICHLOROBENZENE	470	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	1,3-DICHLOROBENZENE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	1,4-DICHLOROBENZENE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	1-METHYLNAPHTHALENE	200	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4,5-TRICHLOROPHENOL	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4,6-TRICHLOROPHENOL	1300	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4-DICHLOROPHENOL	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4-DIMETHYLPHENOL	860	ug/Kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4-DINITROPHENOL	8600	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,4-DINITROTOLUENE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,6-DINITROTOLUENE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-CHLORONAPHTHALENE	170	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-CHLOROPHENOL	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-METHYLNAPHTHALENE	220	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-METHYLPHENOL	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-NITROANILINE	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2-NITROPHENOL	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	3,3'-DICHLOROBENZIDINE	1700	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	3-NITROANILINE	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4,6-DINITRO-2-METHYLPHENOL	8600	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-BROMOPHENYL PHENYL ETHER	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-CHLORO-3-METHYLPHENOL	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-CHLOROANILINE	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-CHLOROPHENYL-PHENYLETHER	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-METHYLPHENOL	160	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-NITROANILINE	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	4-NITROPHENOL	8600	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	ACENAPHTHENE	100	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	ACENAPHTHYLENE	170	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	ANTHRACENE	150	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZO(A)ANTHRACENE	840	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZO(A)PYRENE	880	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZO(B)FLUORANTHENE	1600	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZO(GHI)PERYLENE	280	ug/Kg		DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZO(K)FLUORANTHENE	540	ug/Kg		DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZOIC ACID	21000	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BENZYL ALCOHOL	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BIS(2-CHLOROETHOXY)METHANE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BIS(2-CHLOROETHYL)ETHER	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2200	ug/Kg	JB	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	BUTYL BENZYL PHTHALATE	800	ug/Kg	JB	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	CARBAZOLE	200	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	CHRYSENE	1200	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DIBENZ(A,H)ANTHRACENE	340	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DIBENZOFURAN	71	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DIETHYL PHTHALATE	140	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DIMETHYL PHTHALATE	260	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DI-N-BUTYLPHTHALATE	4300	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	DI-N-OCTYL PHTHALATE	510	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	FLUORANTHENE	2000	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	FLUORENE	69	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	HEXACHLOROBENZENE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	HEXACHLOROBUTADIENE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	HEXACHLOROCYCLOPENTADIENE	860	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	HEXACHLOROETHANE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	INDENO(1,2,3-CD)PYRENE	440	ug/Kg		DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	ISOPHORONE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	NAPHTHALENE	190	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	NITROBENZENE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	N-NITROSODIMETHYLAMINE	8600	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	N-NITROSODI-N-PROPYLAMINE	860	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	N-NITROSODIPHENYLAMINE	430	ug/Kg	U*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	PENTACHLOROPHENOL	1700	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	PHENANTHRENE	730	ug/Kg	*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	PHENOL	150	ug/Kg	J*	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	PYRENE	1800	ug/Kg	*	DNR	11
J46021-1	IA-MHS-05-20141020-W	580-46021-1	SW8270D	BENZOIC ACID	0.89	ug/L	J*	J	9
J46021-1	IA-MHS-05-20141020-W	580-46021-1_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2.8	ug/L	J*	J	9
J46021-1	IA-CBN-60-20141020-W	580-46021-2	SW8270D	BENZOIC ACID	3.3	ug/L	*	J	9
J46021-1	IA-CBN-60-20141020-W	580-46021-2_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1.2	ug/L	J*	J	9
J46021-1	IA-CV-01-20141020-W	580-46021-3	SW8270D	BENZOIC ACID	3.0	ug/L	J*	J	9
J46021-1	IA-CV-01-20141020-W	580-46021-3_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	11	ug/L	J*	J	9

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	NWTPH-DX	#2 DIESEL	4100	mg/Kg	Y	J	2
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	NWTPH-DX	MOTOR OIL	10000	mg/Kg	Y	J	2
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW6020	CHROMIUM	67	mg/Kg		J	9
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8082	PCB-AROCLOR 1254	0.022	mg/Kg	U	UJ	14
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8082	PCB-AROCLOR 1260	2.0	mg/Kg		J	14
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,1,1,2-TETRACHLOROETHANE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,1,2,2-TETRACHLOROETHANE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,1,2-TRICHLOROETHANE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2,3-TRICHLOROBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2,3-TRICHLOROPROPANE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2,4-TRICHLOROBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2,4-TRIMETHYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2-DIBROMOETHANE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,2-DICHLOROBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,3,5-TRIMETHYLBENZENE	11	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,3-DICHLOROBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,3-DICHLOROPROPANE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	1,4-DICHLOROBENZENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	2-CHLOROETHYL VINYL ETHER	11	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	2-CHLOROTOLUENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	2-HEXANONE	11	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	4-CHLOROTOLUENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	4-ISOPROPYLTOLUENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	4-METHYL-2-PENTANONE	11	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	BROMOBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	BROMOFORM	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	CHLOROBENZENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	CHLORODIBROMOMETHANE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	CIS-1,3-DICHLOROPROPENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	ETHYLBENZENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	HEXACHLOROBUTADIENE	4.3	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	ISOPROPYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	M, P-XYLENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	NAPHTHALENE	1.1	ug/Kg	J*	J	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	N-BUTYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	N-PROPYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	O-XYLENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	SEC-BUTYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	STYRENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	TERT-BUTYLBENZENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	TETRACHLOROETHENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	TOLUENE	4.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	TRANS-1,3-DICHLOROPROPENE	2.1	ug/Kg	U*	UJ	19
J46549-1	BD-MH-13.43-20141202-S	580-46549-1	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	11	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	NWTPH-DX	#2 DIESEL	180	mg/Kg	Y	J	2
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	NWTPH-DX	MOTOR OIL	1100	mg/Kg	Y	J	2
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	NWTPH-GX	GASOLINE	1.9	mg/Kg	JB	U	7
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW6020	CHROMIUM	67	mg/Kg		J	9
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8082	PCB-AROCLOR 1254	0.013	mg/Kg	U	UJ	14
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8082	PCB-AROCLOR 1260	1.1	mg/Kg		J	14
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,1,1,2-TETRACHLOROETHANE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,1,2,2-TETRACHLOROETHANE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,1,2-TRICHLOROETHANE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2,3-TRICHLOROBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2,3-TRICHLOROPROPANE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2,4-TRICHLOROBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2,4-TRIMETHYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2-DIBROMOETHANE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,2-DICHLOROBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,3,5-TRIMETHYLBENZENE	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,3-DICHLOROBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,3-DICHLOROPROPANE	1.3	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	1,4-DICHLOROBENZENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	2-CHLOROETHYL VINYL ETHER	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	2-CHLOROTOLUENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	2-HEXANONE	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	4-CHLOROTOLUENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	4-ISOPROPYLTOLUENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	4-METHYL-2-PENTANONE	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	BROMOBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	BROMOFORM	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	CHLOROBENZENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	CHLORODIBROMOMETHANE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	CIS-1,3-DICHLOROPROPENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	ETHYLBENZENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	HEXACHLOROBUTADIENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	ISOPROPYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	M, P-XYLENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	NAPHTHALENE	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	N-BUTYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	N-PROPYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	O-XYLENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	SEC-BUTYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	STYRENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	TERT-BUTYLBENZENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	TETRACHLOROETHENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	TOLUENE	1.3	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	TRANS-1,3-DICHLOROPROPENE	0.66	ug/Kg	U*	UJ	19
J46549-1	BD-MH-9.66-20141203-S	580-46549-2	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	3.3	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	NWTPH-DX	#2 DIESEL	2200	mg/Kg	Y	J	2,8H
J46549-1	BD-OWS-15-20141203-S	580-46549-3	NWTPH-DX	MOTOR OIL	7100	mg/Kg	Y	J	2,8H
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW6020	CHROMIUM	48	mg/Kg		J	9
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,1,1,2-TETRACHLOROETHANE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,1,2,2-TETRACHLOROETHANE	6.2	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,1,2-TRICHLOROETHANE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2,3-TRICHLOROBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2,3-TRICHLOROPROPANE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2,4-TRICHLOROBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2,4-TRIMETHYLBENZENE	17	ug/Kg	*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2-DIBROMOETHANE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,2-DICHLOROBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,3,5-TRIMETHYLBENZENE	2.3	ug/Kg	J*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,3-DICHLOROBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,3-DICHLOROPROPANE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	1,4-DICHLOROBENZENE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	2-CHLOROETHYL VINYL ETHER	15	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	2-CHLOROTOLUENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	2-HEXANONE	15	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	4-CHLOROTOLUENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	4-ISOPROPYLTOLUENE	12	ug/Kg	*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	4-METHYL-2-PENTANONE	15	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	ACETONE	290	ug/Kg		J	13H
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	BENZENE	1.2	ug/Kg	J	J	13H
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	BROMOBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	BROMOFORM	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	CARBON DISULFIDE	11	ug/Kg		J	13H
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	CHLOROBENZENE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	CHLORODIBROMOMETHANE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	CIS-1,3-DICHLOROPROPENE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	ETHYLBENZENE	4.9	ug/Kg	*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	HEXACHLOROBUTADIENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	ISOPROPYLBENZENE	1.4	ug/Kg	J*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	M, P-XYLENE	4.3	ug/Kg	J*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	NAPHTHALENE	65	ug/Kg	*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	N-BUTYLBENZENE	2.9	ug/Kg	J*	J	13H,19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	N-PROPYLBENZENE	3.3	ug/Kg	J*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	O-XYLENE	4.1	ug/Kg	J*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	SEC-BUTYLBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	STYRENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	TERT-BUTYLBENZENE	6.2	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	TETRACHLOROETHENE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	TOLUENE	46	ug/Kg	*	J	13H,19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	TRANS-1,3-DICHLOROPROPENE	3.1	ug/Kg	U*	UJ	19
J46549-1	BD-OWS-15-20141203-S	580-46549-3	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	15	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	NWTPH-DX	#2 DIESEL	950	mg/Kg	Y	J	2
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	NWTPH-DX	MOTOR OIL	6600	mg/Kg	Y	J	2
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8082	PCB-AROCLOR 1254	0.29	mg/Kg	U	UJ	14
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8082	PCB-AROCLOR 1260	6.5	mg/Kg		J	14
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,1,1,2-TETRACHLOROETHANE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,1,2,2-TETRACHLOROETHANE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,1,2-TRICHLOROETHANE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2,3-TRICHLOROBENZENE	4.4	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2,3-TRICHLOROPROPANE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2,4-TRICHLOROBENZENE	3.9	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2,4-TRIMETHYLBENZENE	1.6	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2-DIBROMOETHANE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,2-DICHLOROBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,3,5-TRIMETHYLBENZENE	17	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,3-DICHLOROBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,3-DICHLOROPROPANE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	1,4-DICHLOROBENZENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	2-CHLOROETHYL VINYL ETHER	17	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	2-CHLOROTOLUENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	2-HEXANONE	17	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	4-CHLOROTOLUENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	4-ISOPROPYLTOLUENE	1.7	ug/Kg	J*	J	13H,19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	4-METHYL-2-PENTANONE	5.6	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	ACETONE	220	ug/Kg		J	13H
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	BROMOBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	BROMOFORM	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	CARBON DISULFIDE	0.92	ug/Kg	J	J	13H
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	CHLOROBENZENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	CHLORODIBROMOMETHANE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	CIS-1,3-DICHLOROPROPENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	ETHYLBENZENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	HEXACHLOROBUTADIENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	ISOPROPYLBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	M, P-XYLENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	NAPHTHALENE	5.8	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	N-BUTYLBENZENE	1.8	ug/Kg	J*	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	N-PROPYLBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	O-XYLENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	SEC-BUTYLBENZENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	STYRENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	TERT-BUTYLBENZENE	1.6	ug/Kg	J*B	J	13H,19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	TETRACHLOROETHENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	TOLUENE	6.8	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	TRANS-1,3-DICHLOROPROPENE	3.4	ug/Kg	U*	UJ	19
J46558-1	BD-MH-10.9-20141203-S	580-46558-1	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	17	ug/Kg	U*	UJ	19
J46558-1	BD-OWS-02-20141203-W	580-46558-2	SM4500H+B	PH	6.44	SU	HF	J	1
J46558-1	BD-OWS-02-20141203-W	580-46558-2	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	UJ	10L
J46558-1	BD-OWS-02-20141203-W	580-46558-2	SW8270D	DIETHYL PHTHALATE	0.11	ug/L	JB	U	7
J46558-1	BD-OWS-02-20141203-W	580-46558-2	SW8270D	DI-N-BUTYLPHTHALATE	0.15	ug/L	JB*	U	7
J46690-1	SC-OWS-05-20141211-S	580-46690-1	NWTPH-DX	#2 DIESEL	5900	mg/Kg	Y	J	2
J46690-1	SC-OWS-05-20141211-S	580-46690-1	NWTPH-DX	MOTOR OIL	15000	mg/Kg	Y	J	2
J46690-1	SC-OWS-05-20141211-S	580-46690-1	SW8270D	4-CHLOROANILINE	3200	ug/Kg	U*	UJ	10L
J46690-1	SC-CB-35-20141211-S	580-46690-2	NWTPH-DX	#2 DIESEL	4300	mg/Kg	Y	J	2
J46690-1	SC-CB-35-20141211-S	580-46690-2	NWTPH-DX	MOTOR OIL	5800	mg/Kg	Y	J	2

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8082	PCB-AROCLOR 1260	0.39	mg/Kg		J	8L
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,1,1,2-TETRACHLOROETHANE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,1,2,2-TETRACHLOROETHANE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,1,2-TRICHLOROETHANE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2,3-TRICHLOROBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2,3-TRICHLOROPROPANE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2,4-TRICHLOROBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2,4-TRIMETHYLBENZENE	7.5	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2-DIBROMOETHANE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,2-DICHLOROBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,3,5-TRIMETHYLBENZENE	5.1	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,3-DICHLOROBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,3-DICHLOROPROPANE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	1,4-DICHLOROBENZENE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	2-BUTANONE	45	ug/Kg		J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	2-CHLOROETHYL VINYL ETHER	7.1	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	2-CHLOROTOLUENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	2-HEXANONE	2.4	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	4-CHLOROTOLUENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	4-ISOPROPYLTOLUENE	4.3	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	4-METHYL-2-PENTANONE	4.2	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	ACETONE	190	ug/Kg		J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	BENZENE	0.84	ug/Kg	J	J	13H
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	BROMOBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	BROMOFORM	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	CARBON DISULFIDE	4.8	ug/Kg		J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	CHLOROBENZENE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	CHLORODIBROMOMETHANE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	CIS-1,3-DICHLOROPROPENE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	ETHYLBENZENE	11	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	HEXACHLOROBUTADIENE	2.8	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	ISOPROPYLBENZENE	0.94	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	M, P-XYLENE	39	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	NAPHTHALENE	8.1	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	N-BUTYLBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	N-PROPYLBENZENE	1.3	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	O-XYLENE	19	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	SEC-BUTYLBENZENE	1.1	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	STYRENE	2.1	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	TERT-BUTYLBENZENE	2.8	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	TETRACHLOROETHENE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	TOLUENE	17	ug/Kg	*	J	13H,19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	TRANS-1,3-DICHLOROPROPENE	1.4	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	7.1	ug/Kg	U*	UJ	19
J46690-1	SC-CB-35-20141211-S	580-46690-2	SW8270D	4-CHLOROANILINE	1800	ug/Kg	U*	UJ	10L
J46690-1	SC-CB-24-20141211-S	580-46690-3	NWTPH-DX	#2 DIESEL	1700	mg/Kg	Y	J	2
J46690-1	SC-CB-24-20141211-S	580-46690-3	NWTPH-DX	MOTOR OIL	8900	mg/Kg	Y	J	2
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8082	PCB-AROCLOR 1248	0.18	mg/Kg	P	J	3
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1,1,2-TETRACHLOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1,1-TRICHLOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1,2,2-TETRACHLOROETHANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1,2-TRICHLOROETHANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1-DICHLOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1-DICHLOROETHENE	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,1-DICHLOROPROPENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2,3-TRICHLOROBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2,3-TRICHLOROPROPANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2,4-TRICHLOROBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2,4-TRIMETHYLBENZENE	12	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2-DIBROMOETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2-DICHLOROBENZENE	5.2	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2-DICHLOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,2-DICHLOROPROPANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,3,5-TRIMETHYLBENZENE	7.8	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,3-DICHLOROBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,3-DICHLOROPROPANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	1,4-DICHLOROBENZENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	2,2-DICHLOROPROPANE	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	2-BUTANONE	26	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	2-CHLOROETHYL VINYL ETHER	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	2-CHLOROTOLUENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	2-HEXANONE	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	4-CHLOROTOLUENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	4-ISOPROPYLTOLUENE	25	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	4-METHYL-2-PENTANONE	22	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	ACETONE	540	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	ACROLEIN	77	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	ACRYLONITRILE	26	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BENZENE	3.0	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BROMOBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BROMOCHLOROMETHANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BROMODICHLOROMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BROMOFORM	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	BROMOMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CARBON DISULFIDE	2.2	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CARBON TETRACHLORIDE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CHLOROBENZENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CHLORODIBROMOMETHANE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CHLOROETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CHLOROFORM	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CHLOROMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CIS-1,2-DICHLOROETHENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	CIS-1,3-DICHLOROPROPENE	2.6	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	DIBROMOMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	DICHLORODIFLUOROMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	ETHYLBENZENE	14	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	HEXACHLOROBUTADIENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	IODOMETHANE	39	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	ISOPROPYLBENZENE	50	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	M, P-XYLENE	43	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	METHYL TERT-BUTYL ETHER	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	METHYLENE CHLORIDE	39	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	NAPHTHALENE	9.0	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	N-BUTYLBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	N-PROPYLBENZENE	5.2	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	O-XYLENE	29	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	SEC-BUTYLBENZENE	3.4	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	STYRENE	1.1	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TERT-BUTYLBENZENE	1.2	ug/Kg	J*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TETRACHLOROETHENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TOLUENE	26	ug/Kg	*	J	13H,19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TRANS-1,2-DICHLOROETHENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TRANS-1,3-DICHLOROPROPENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TRICHLOROETHENE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	TRICHLOROFLUOROMETHANE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	VINYL ACETATE	13	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8260	VINYL CHLORIDE	2.6	ug/Kg	U*	UJ	19
J46690-1	SC-CB-24-20141211-S	580-46690-3	SW8270D	4-CHLOROANILINE	2100	ug/Kg	U*	UJ	10L
J46690-1	SC-MH-20-20141211-W	580-46690-4	EPA245.1	MERCURY	0.000045	mg/L	JB	U	7
J46690-1	SC-MH-20-20141211-W	580-46690-4	EPA300.0	NITRATE	0.90	mg/L	UH	UJ	1
J46690-1	SC-MH-20-20141211-W	580-46690-4	SM4500H+B	PH	6.61	SU	HF	J	1
J46690-1	SC-MH-20-20141211-W	580-46690-4	SW8270D	4-CHLOROANILINE	3.8	ug/L	U*	R	10L
J46717-1	BD-MH-11.31-20141215-W	580-46717-1	EPA200.8	CADMIUM	0.000059	mg/L	JB	U	7
J46717-1	BD-MH-11.31-20141215-W	580-46717-1	SM4500H+B	PH	7.21	SU	HF	J	1

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46717-1	BD-MH-11.31-20141215-W	580-46717-1	SW8270D	4-CHLOROANILINE	0.39	ug/L	U*	UJ	10L
J46717-1	BD-MH-5.16-20141215-W	580-46717-2	EPA200.8	CADMIUM	0.000050	mg/L	JB	U	7
J46717-1	BD-MH-5.16-20141215-W	580-46717-2	SM4500H+B	PH	7.28	SU	HF	J	1
J46717-1	BD-MH-5.16-20141215-W	580-46717-2	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	UJ	10L
J46739-1	DS-CB-F3-20141216-W	580-46739-1	SM4500H+B	PH	6.71	SU	HF	J	1
J46739-1	DS-TD-O1-20141216-S	580-46739-2	NWTPH-DX	#2 DIESEL	950	mg/Kg	Y	J	2,8L
J46739-1	DS-TD-O1-20141216-S	580-46739-2	NWTPH-DX	MOTOR OIL	1400	mg/Kg	Y	J	2
J46739-1	DS-TD-O1-20141216-S	580-46739-2	NWTPH-Gx	GASOLINE	0.10	mg/Kg	JB	U	7
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8082	PCB-AROCLOR 1254	0.077	mg/Kg		J	14
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8082	PCB-AROCLOR 1260	0.015	mg/Kg	U	UJ	14
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,1,2,2-TETRACHLOROETHANE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2,3-TRICHLOROBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2,3-TRICHLOROPROPANE	1.8	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2,4-TRICHLOROBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2,4-TRIMETHYLBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,2-DICHLOROBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,3,5-TRIMETHYLBENZENE	9.0	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,3-DICHLOROBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	1,4-DICHLOROBENZENE	1.8	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	2-CHLOROTOLUENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	4-CHLOROTOLUENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	4-ISOPROPYLTOLUENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	ACETONE	11	ug/Kg	J	J	13H
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	BROMOBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	HEXACHLOROBUTADIENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	NAPHTHALENE	9.0	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	N-BUTYLBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	N-PROPYLBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	SEC-BUTYLBENZENE	3.6	ug/Kg	U*	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	TERT-BUTYLBENZENE	3.6	ug/Kg	U*^	UJ	19
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	9.0	ug/Kg	U*	UJ	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46739-1	DS-TD-O1-20141216-S	580-46739-2	SW8270D	4-CHLOROANILINE	1600	ug/Kg	U*	UJ	10L
J46739-1	DS-CB-I3-20141216-S	580-46739-3	NWTPH-DX	#2 DIESEL	220	mg/Kg	Y	J	2
J46739-1	DS-CB-I3-20141216-S	580-46739-3	NWTPH-DX	MOTOR OIL	1400	mg/Kg	Y	J	2
J46739-1	DS-CB-I3-20141216-S	580-46739-3	NWTPH-Gx	GASOLINE	4.2	mg/Kg	JB	U	7
J46739-1	DS-CB-I3-20141216-S	580-46739-3	SW8082	PCB-AROCLOR 1254	0.035	mg/Kg		J	14
J46739-1	DS-CB-I3-20141216-S	580-46739-3	SW8082	PCB-AROCLOR 1260	0.018	mg/Kg	U	UJ	14
J46739-1	DS-CB-I3-20141216-S	580-46739-3	SW8270D	4-CHLOROANILINE	1800	ug/Kg	U*	UJ	10L
J46739-1	DS-CB-H1-20141216-S	580-46739-4	NWTPH-DX	#2 DIESEL	1400	mg/Kg	Y	J	2
J46739-1	DS-CB-H1-20141216-S	580-46739-4	NWTPH-DX	MOTOR OIL	4900	mg/Kg	Y	J	2
J46739-1	DS-CB-H1-20141216-S	580-46739-4	NWTPH-Gx	GASOLINE	7.6	mg/Kg	JB	J	9
J46739-1	DS-CB-H1-20141216-S	580-46739-4	SW8082	PCB-AROCLOR 1254	0.062	mg/Kg		J	14
J46739-1	DS-CB-H1-20141216-S	580-46739-4	SW8082	PCB-AROCLOR 1260	0.032	mg/Kg	U	UJ	14
J46739-1	DS-CB-H1-20141216-S	580-46739-4	SW8270D	4-CHLOROANILINE	3200	ug/Kg	U*	UJ	10L
J46851-1	BD-OWS-14-20141222-W	580-46851-1	EPA245.1	MERCURY	0.00020	mg/L	U	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1	SM4500H+B	PH	7.10	SU	HF	J	1
J46851-1	BD-OWS-14-20141222-W	580-46851-1	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	U*	R	10L
J46851-1	BD-OWS-14-20141222-W	580-46851-1	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	R	10L
J46851-1	BD-OWS-14-20141222-W	580-46851-1	SW8270D	ANTHRACENE	0.038	ug/L	U*	UJ	10L
J46851-1	BD-OWS-14-20141222-W	580-46851-1	SW8270D	BENZO(A)PYRENE	0.038	ug/L	U*	UJ	10L
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	1,2,4-TRICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	1,2-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	1,3-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	1,4-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	1-METHYLNAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,3,4,6-TETRACHLOROPHENOL	0.67	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4,5-TRICHLOROPHENOL	0.38	ug/L	UH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4,6-TRICHLOROPHENOL	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4-DICHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4-DIMETHYLPHENOL	1.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4-DINITROPHENOL	4.8	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,4-DINITROTOLUENE	0.38	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2,6-DINITROTOLUENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-CHLORONAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-CHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-METHYLNAPHTHALENE	0.19	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-NITROANILINE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	2-NITROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	3-NITROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	3.8	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-CHLOROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-METHYLPHENOL	0.76	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-NITROANILINE	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	4-NITROPHENOL	2.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	ACENAPHTHENE	0.096	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	ACENAPHTHYLENE	0.076	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	ANTHRACENE	0.011	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZO(A)ANTHRACENE	0.026	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZO(A)PYRENE	0.036	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZO(B)FLUORANTHENE	0.065	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZO(GHI)PERYLENE	0.049	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZO(K)FLUORANTHENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZOIC ACID	2.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BENZYL ALCOHOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	BUTYL BENZYL PHTHALATE	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	CARBAZOLE	0.38	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	CHRYSENE	0.042	ug/L	H	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DIBENZOFURAN	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DIETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DIMETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DI-N-BUTYLPHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	DI-N-OCTYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	FLUORANTHENE	0.077	ug/L	H	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	FLUORENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	HEXACHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	HEXACHLOROBUTADIENE	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	1.9	ug/L	UH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	HEXACHLOROETHANE	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	0.049	ug/L	JH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	ISOPHORONE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	NAPHTHALENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	NITROBENZENE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	N-NITROSODIMETHYLAMINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	N-NITROSODIPHENYLAMINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	PENTACHLOROPHENOL	0.67	ug/L	UH*	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	PHENANTHRENE	0.026	ug/L	JH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	PHENOL	0.57	ug/L	UH	DNR	11
J46851-1	BD-OWS-14-20141222-W	580-46851-1_RE	SW8270D	PYRENE	0.069	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	EPA200.8	COPPER	0.0015	mg/L		U	6
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	EPA245.1	MERCURY	0.00020	mg/L	U	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SM4500H+B	PH	7.03	SU	HF	J	1
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	U*	R	10L
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	R	10L
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SW8270D	ANTHRACENE	0.014	ug/L	J*	J	9,10L
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SW8270D	BENZO(A)PYRENE	0.12	ug/L	*	J	9,10L
J46851-1	BD-MH-12.56-20141222-W	580-46851-2	SW8270D	BENZYL ALCOHOL	0.13	ug/L	J*	U	6

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	1,2,4-TRICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	1,2-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	1,3-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	1,4-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	1-METHYLNAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,3,4,6-TETRACHLOROPHENOL	0.67	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4,5-TRICHLOROPHENOL	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4,6-TRICHLOROPHENOL	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4-DICHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4-DIMETHYLPHENOL	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4-DINITROPHENOL	4.8	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,4-DINITROTOLUENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2,6-DINITROTOLUENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-CHLORONAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-CHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-METHYLNAPHTHALENE	0.19	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-NITROANILINE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	2-NITROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	3-NITROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	3.8	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-CHLOROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-METHYLPHENOL	0.76	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-NITROANILINE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	4-NITROPHENOL	2.9	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	ACENAPHTHENE	0.096	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	ACENAPHTHYLENE	0.076	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	ANTHRACENE	0.013	ug/L	JH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZO(A)ANTHRACENE	0.047	ug/L	JH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZO(A)PYRENE	0.062	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZO(B)FLUORANTHENE	0.096	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZO(GHI)PERYLENE	0.053	ug/L	JH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZO(K)FLUORANTHENE	0.065	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZOIC ACID	2.9	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BENZYL ALCOHOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1.8	ug/L	JH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	BUTYL BENZYL PHTHALATE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	CARBAZOLE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	CHRYSENE	0.091	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DIBENZOFURAN	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DIETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DIMETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DI-N-BUTYLPHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	DI-N-OCTYL PHTHALATE	0.19	ug/L	JH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	FLUORANTHENE	0.15	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	FLUORENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	HEXACHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	HEXACHLOROBUTADIENE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	1.9	ug/L	UH^	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	HEXACHLOROETHANE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	0.072	ug/L	H^	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	ISOPHORONE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	NAPHTHALENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	NITROBENZENE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	N-NITROSODIMETHYLAMINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	0.38	ug/L	UH^	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	N-NITROSODIPHENYLAMINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	PENTACHLOROPHENOL	0.67	ug/L	UH*	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	PHENANTHRENE	0.085	ug/L	H	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	PHENOL	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-12.56-20141222-W	580-46851-2_RE	SW8270D	PYRENE	0.13	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	EPA245.1	MERCURY	0.00020	mg/L	U	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SM4500H+B	PH	6.87	SU	HF	J	1
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	U*	R	10L
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	R	10L
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SW8270D	ANTHRACENE	0.013	ug/L	J*	J	9,10L
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SW8270D	BENZO(A)PYRENE	0.051	ug/L	*	J	9,10L
J46851-1	BD-MH-1.32-20141222-W	580-46851-3	SW8270D	BENZYL ALCOHOL	0.13	ug/L	J*	U	6
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	1,2,4-TRICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	1,2-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	1,3-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	1,4-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	1-METHYLNAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,3,4,6-TETRACHLOROPHENOL	0.67	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4,5-TRICHLOROPHENOL	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4,6-TRICHLOROPHENOL	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4-DICHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4-DIMETHYLPHENOL	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4-DINITROPHENOL	4.8	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,4-DINITROTOLUENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2,6-DINITROTOLUENE	0.28	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-CHLORONAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-CHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-METHYLNAPHTHALENE	0.019	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-NITROANILINE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	2-NITROPHENOL	0.38	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	3-NITROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	3.8	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-CHLOROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-METHYLPHENOL	0.22	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-NITROANILINE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	4-NITROPHENOL	2.9	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	ACENAPHTHENE	0.024	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	ACENAPHTHYLENE	0.023	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	ANTHRACENE	0.055	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZO(A)ANTHRACENE	0.18	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZO(A)PYRENE	0.31	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZO(B)FLUORANTHENE	0.52	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZO(GHI)PERYLENE	0.16	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZO(K)FLUORANTHENE	0.24	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZOIC ACID	1.3	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BENZYL ALCOHOL	0.61	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	7.3	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	BUTYL BENZYL PHTHALATE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	CARBAZOLE	0.17	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	CHRYSENE	0.42	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	0.035	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DIBENZOFURAN	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DIETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DIMETHYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DI-N-BUTYLPHTHALATE	0.12	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	DI-N-OCTYL PHTHALATE	0.22	ug/L	JH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	FLUORANTHENE	0.76	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	FLUORENE	0.057	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	HEXACHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	HEXACHLOROBUTADIENE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	1.9	ug/L	UH^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	HEXACHLOROETHANE	0.57	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	0.18	ug/L	H^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	ISOPHORONE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	NAPHTHALENE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	NITROBENZENE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	N-NITROSODIMETHYLAMINE	1.9	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	0.38	ug/L	UH^	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	N-NITROSODIPHENYLAMINE	0.38	ug/L	UH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	PENTACHLOROPHENOL	0.17	ug/L	JH*	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	PHENANTHRENE	0.41	ug/L	H	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	PHENOL	0.14	ug/L	JH	DNR	11
J46851-1	BD-MH-1.32-20141222-W	580-46851-3_RE	SW8270D	PYRENE	0.69	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	U*	R	10L
J46851-1	QC-EB-02-20141222-W	580-46851-4	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	R	10L
J46851-1	QC-EB-02-20141222-W	580-46851-4	SW8270D	ANTHRACENE	0.038	ug/L	U*	UJ	10L
J46851-1	QC-EB-02-20141222-W	580-46851-4	SW8270D	BENZO(A)PYRENE	0.038	ug/L	U*	UJ	10L
J46851-1	QC-EB-02-20141222-W	580-46851-4	SW8270D	BENZYL ALCOHOL	2.1	ug/L	*	J	9
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	1,2,4-TRICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	1,2-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	1,3-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	1,4-DICHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	1-METHYLNAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,3,4,6-TETRACHLOROPHENOL	0.66	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4,5-TRICHLOROPHENOL	0.38	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4,6-TRICHLOROPHENOL	0.57	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4-DICHLOROPHENOL	0.38	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4-DIMETHYLPHENOL	1.9	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4-DINITROPHENOL	4.7	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,4-DINITROTOLUENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2,6-DINITROTOLUENE	0.78	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-CHLORONAPHTHALENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-CHLOROPHENOL	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-METHYLNAPHTHALENE	0.038	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-METHYLPHENOL	0.16	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-NITROANILINE	0.38	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	2-NITROPHENOL	0.13	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	3,3'-DICHLOROBENZIDINE	1.9	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	3-NITROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	3.8	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	0.35	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-CHLOROANILINE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-METHYLPHENOL	0.45	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-NITROANILINE	0.57	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	4-NITROPHENOL	2.8	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	ACENAPHTHENE	0.095	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	ACENAPHTHYLENE	0.076	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	ANTHRACENE	0.038	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZO(A)ANTHRACENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZO(A)PYRENE	0.038	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZO(B)FLUORANTHENE	0.076	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZO(GHI)PERYLENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZO(K)FLUORANTHENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZOIC ACID	5.2	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BENZYL ALCOHOL	2.1	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	0.38	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2.8	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	BUTYL BENZYL PHTHALATE	0.57	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	CARBAZOLE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	CHRYSENE	0.038	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	0.057	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DIBENZOFURAN	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DIETHYL PHTHALATE	10	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DIMETHYL PHTHALATE	1.6	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DI-N-BUTYLPHTHALATE	0.95	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	DI-N-OCTYL PHTHALATE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	FLUORANTHENE	0.047	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	FLUORENE	0.021	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	HEXACHLOROBENZENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	HEXACHLOROBUTADIENE	0.57	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	1.9	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	HEXACHLOROETHANE	0.57	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	0.057	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	ISOPHORONE	0.22	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	NAPHTHALENE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	NITROBENZENE	0.38	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	N-NITROSODIMETHYLAMINE	1.9	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	0.38	ug/L	UH^	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	N-NITROSODIPHENYLAMINE	0.38	ug/L	UH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	PENTACHLOROPHENOL	0.66	ug/L	UH*	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	PHENANTHRENE	0.019	ug/L	JH	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	PHENOL	3.6	ug/L	H	DNR	11
J46851-1	QC-EB-02-20141222-W	580-46851-4_RE	SW8270D	PYRENE	0.057	ug/L	UH	DNR	11
J47133-1	AS-CB-UNK-20150120-W	580-47133-1	EPA300.0	CHLORIDE	17	mg/L		J	8H
J47133-1	AS-CB-UNK-20150120-W	580-47133-1	SM4500H+B	PH	8.65	SU	HF	J	1
J47133-1	AS-CB-UNK-20150120-W	580-47133-1	SW8270D	BENZOIC ACID	5.2	ug/L	J*	J	9
J47133-1	AS-CB-UNK-20150120-W	580-47133-1	SW8270D	PENTACHLOROPHENOL	3.3	ug/L	U*	UJ	10L
J47135-1	AS-CB-02-20150120-S	580-47135-1	NWTPH-DX	#2 DIESEL	1500	mg/Kg	Y	J	2

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-02-20150120-S	580-47135-1	NWTPH-DX	MOTOR OIL	5100	mg/Kg	Y	J	2
J47135-1	AS-CB-02-20150120-S	580-47135-1	NWTPH-GX	GASOLINE	94	mg/Kg	B	J	1
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,1,1,2-TETRACHLOROETHANE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,1,2,2-TETRACHLOROETHANE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,1,2-TRICHLOROETHANE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2,3-TRICHLOROBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2,3-TRICHLOROPROPANE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2,4-TRICHLOROBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2,4-TRIMETHYLBENZENE	28	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2-DIBROMOETHANE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,2-DICHLOROBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,3,5-TRIMETHYLBENZENE	13	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,3-DICHLOROBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,3-DICHLOROPROPANE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	1,4-DICHLOROBENZENE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	2-CHLOROETHYL VINYL ETHER	12	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	2-CHLOROTOLUENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	2-HEXANONE	12	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	4-CHLOROTOLUENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	4-ISOPROPYLTOLUENE	12	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	4-METHYL-2-PENTANONE	65	ug/Kg	*	J	9,19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	ACETONE	460	ug/Kg	B*	J	9
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	BROMOBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	BROMOFORM	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	CHLOROBENZENE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	CHLORODIBROMOMETHANE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	CIS-1,3-DICHLOROPROPENE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	ETHYLBENZENE	3.1	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	HEXACHLOROBUTADIENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	ISOPROPYLBENZENE	1.5	ug/Kg	J*	J	9,19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	M, P-XYLENE	9.7	ug/Kg	*	J	19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	NAPHTHALENE	14	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	N-BUTYLBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	N-PROPYLBENZENE	6.2	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	O-XYLENE	5.1	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	SEC-BUTYLBENZENE	6.0	ug/Kg	*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	STYRENE	1.6	ug/Kg	J*	J	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	TERT-BUTYLBENZENE	5.0	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	TETRACHLOROETHENE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	TOLUENE	13	ug/Kg	*	J	9,19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	TRANS-1,3-DICHLOROPROPENE	2.5	ug/Kg	U*	UJ	19
J47135-1	AS-CB-02-20150120-S	580-47135-1	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	12	ug/Kg	U*	UJ	19
J47135-1	AS-CB-05-20150120-S	580-47135-2	NWTPH-DX	#2 DIESEL	1400	mg/Kg	Y	J	2
J47135-1	AS-CB-05-20150120-S	580-47135-2	NWTPH-DX	MOTOR OIL	8500	mg/Kg	Y	J	2
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1,1,2-TETRACHLOROETHANE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1,1-TRICHLOROETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1,2,2-TETRACHLOROETHANE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1,2-TRICHLOROETHANE	4.2	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1-DICHLOROETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1-DICHLOROETHENE	10	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,1-DICHLOROPROPENE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2,3-TRICHLOROBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2,3-TRICHLOROPROPANE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2,4-TRICHLOROBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2,4-TRIMETHYLBENZENE	88	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2-DIBROMOETHANE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2-DICHLOROBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2-DICHLOROETHANE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,2-DICHLOROPROPANE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,3,5-TRIMETHYLBENZENE	33	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,3-DICHLOROBENZENE	4.2	ug/Kg	U*	UJ	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,3-DICHLOROPROPANE	4.2	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	1,4-DICHLOROBENZENE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	2,2-DICHLOROPROPANE	10	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	2-BUTANONE	21	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	2-CHLOROETHYL VINYL ETHER	10	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	2-CHLOROTOLUENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	2-HEXANONE	7.4	ug/Kg	J*	J	9,13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	4-CHLOROTOLUENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	4-ISOPROPYLTOLUENE	30	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	4-METHYL-2-PENTANONE	21	ug/Kg	*	J	9,13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	ACETONE	450	ug/Kg	B*	J	9,13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	ACROLEIN	62	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	ACRYLONITRILE	21	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BENZENE	3.7	ug/Kg		J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BROMOBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BROMOCHLOROMETHANE	4.2	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BROMODICHLOROMETHANE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BROMOFORM	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	BROMOMETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CARBON DISULFIDE	53	ug/Kg		J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CARBON TETRACHLORIDE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CHLOROBENZENE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CHLORODIBROMOMETHANE	4.2	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CHLOROETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CHLOROFORM	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CHLOROMETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CIS-1,2-DICHLOROETHENE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	CIS-1,3-DICHLOROPROPENE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	DIBROMOMETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	DICHLORODIFLUOROMETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	ETHYLBENZENE	14	ug/Kg	*	J	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	HEXACHLOROBUTADIENE	4.2	ug/Kg	U*	UJ	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	IODOMETHANE	31	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	ISOPROPYLBENZENE	2.7	ug/Kg	J*	J	9,13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	M, P-XYLENE	32	ug/Kg	*	J	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	METHYL TERT-BUTYL ETHER	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	METHYLENE CHLORIDE	31	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	NAPHTHALENE	22	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	N-BUTYLBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	N-PROPYLBENZENE	11	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	O-XYLENE	21	ug/Kg	*	J	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	SEC-BUTYLBENZENE	8.5	ug/Kg	*	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	STYRENE	1.0	ug/Kg	J*	J	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TERT-BUTYLBENZENE	4.2	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TETRACHLOROETHENE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TOLUENE	220	ug/Kg	*	J	9,13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TRANS-1,2-DICHLOROETHENE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TRANS-1,3-DICHLOROPROPENE	2.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	10	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TRICHLOROETHENE	2.1	ug/Kg	U*	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	TRICHLOROFLUOROMETHANE	2.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	VINYL ACETATE	10	ug/Kg	U	UJ	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8260	VINYL CHLORIDE	1.8	ug/Kg	J	J	13
J47135-1	AS-CB-05-20150120-S	580-47135-2	SW8270D	BUTYL BENZYL PHTHALATE	390	ug/Kg	JB	U	7
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	NWTPH-DX	#2 DIESEL	480	mg/Kg	Y	J	2
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	NWTPH-DX	MOTOR OIL	2800	mg/Kg	Y	J	2
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1,1,2-TETRACHLOROETHANE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1,1-TRICHLOROETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1,2,2-TETRACHLOROETHANE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1,2-TRICHLOROETHANE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1-DICHLOROETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1-DICHLOROETHENE	7.6	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,1-DICHLOROPROPENE	1.5	ug/Kg	U*	UJ	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2,3-TRICHLOROBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2,3-TRICHLOROPROPANE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2,4-TRICHLOROBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2,4-TRIMETHYLBENZENE	18	ug/Kg	*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2-DIBROMOETHANE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2-DICHLOROBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2-DICHLOROETHANE	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,2-DICHLOROPROPANE	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,3,5-TRIMETHYLBENZENE	8.1	ug/Kg	*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,3-DICHLOROBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,3-DICHLOROPROPANE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	1,4-DICHLOROBENZENE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	2,2-DICHLOROPROPANE	7.6	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	2-BUTANONE	15	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	2-CHLOROETHYL VINYL ETHER	7.6	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	2-CHLOROTOLUENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	2-HEXANONE	7.6	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	4-CHLOROTOLUENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	4-ISOPROPYLTOLUENE	5.7	ug/Kg	*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	4-METHYL-2-PENTANONE	51	ug/Kg	*	J	9,13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	ACETONE	190	ug/Kg	B*	J	9,13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	ACROLEIN	46	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	ACRYLONITRILE	15	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BENZENE	1.8	ug/Kg		J	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BROMOBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BROMOCHLOROMETHANE	3.1	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BROMODICHLOROMETHANE	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BROMOFORM	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	BROMOMETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CARBON DISULFIDE	6.5	ug/Kg		J	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CARBON TETRACHLORIDE	1.5	ug/Kg	U	UJ	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CHLOROBENZENE	1.5	ug/Kg	U	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CHLORODIBROMOMETHANE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CHLOROETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CHLOROFORM	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CHLOROMETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CIS-1,2-DICHLOROETHENE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	CIS-1,3-DICHLOROPROPENE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	DIBROMOMETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	DICHLORODIFLUOROMETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	ETHYLBENZENE	3.0	ug/Kg		J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	HEXACHLOROBUTADIENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	IODOMETHANE	23	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	ISOPROPYLBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	M, P-XYLENE	8.8	ug/Kg		J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	METHYL TERT-BUTYL ETHER	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	METHYLENE CHLORIDE	23	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	NAPHTHALENE	11	ug/Kg	*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	N-BUTYLBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	N-PROPYLBENZENE	4.0	ug/Kg	*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	O-XYLENE	5.1	ug/Kg		J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	SEC-BUTYLBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	STYRENE	0.67	ug/Kg	J*	J	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TERT-BUTYLBENZENE	3.1	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TETRACHLOROETHENE	1.5	ug/Kg	U	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TOLUENE	11	ug/Kg	*	J	9,13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TRANS-1,2-DICHLOROETHENE	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TRANS-1,3-DICHLOROPROPENE	1.5	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	7.6	ug/Kg	U*	UJ	13,19
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TRICHLOROETHENE	1.5	ug/Kg	U*	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	TRICHLOROFLUOROMETHANE	1.5	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	VINYL ACETATE	7.6	ug/Kg	U	UJ	13
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8260	VINYL CHLORIDE	1.4	ug/Kg	J	J	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47135-1	AS-CB-UNK-20150120-S	580-47135-3	SW8270D	BUTYL BENZYL PHTHALATE	290	ug/Kg	JB	U	7
J47135-1	TB-20150120	580-47135-4	NWTPH-GX	GASOLINE	1.6	mg/Kg	JB	U	7
J47171-1	WM-CB-03-20150122-S	580-47171-1	NWTPH-DX	#2 DIESEL	6100	mg/Kg	Y	J	2
J47171-1	WM-CB-03-20150122-S	580-47171-1	NWTPH-DX	MOTOR OIL	33000	mg/Kg	Y	J	2
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW6020	CHROMIUM	79	mg/Kg		J	8H,9
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW6020	NICKEL	52	mg/Kg		J	9
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1016	0.029	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1221	0.032	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1232	0.032	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1242	0.029	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1248	0.029	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1254	0.029	mg/Kg	U	UJ	13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8082	PCB-AROCLOR 1260	0.076	mg/Kg		J	8L,13L
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8260	2-BUTANONE	400	ug/Kg		J	13H
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8260	ACETONE	1200	ug/Kg		J	13H
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8260	BENZENE	6.4	ug/Kg		J	13H
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8260	CARBON DISULFIDE	19	ug/Kg		J	13H
J47171-1	WM-CB-03-20150122-S	580-47171-1	SW8260	VINYL CHLORIDE	8.4	ug/Kg		J	13H
J47171-1	WM-FD-02-20150122-S	580-47171-2	NWTPH-DX	#2 DIESEL	5800	mg/Kg	Y	J	2
J47171-1	WM-FD-02-20150122-S	580-47171-2	NWTPH-DX	MOTOR OIL	32000	mg/Kg	Y	J	2
J47171-1	WM-FD-02-20150122-S	580-47171-2	SW6020	CHROMIUM	85	mg/Kg		J	8H,9
J47171-1	WM-FD-02-20150122-S	580-47171-2	SW6020	NICKEL	68	mg/Kg		J	9
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SM4500H+B	PH	7.05	SU	HF	J	1
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SM5310B	DISSOLVED ORGANIC CARBON	19	mg/L		J	8H
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SM5310B	TOTAL ORGANIC CARBON	19	mg/L		J	8H
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	2,4-DINITROPHENOL	24	ug/L	U*^	UJ	10L
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	BENZO(GHI)PERYLENE	0.29	ug/L	U*^	UJ	10L
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	BENZOIC ACID	10	ug/L	J*	J	9,10L
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	DIBENZ(A,H)ANTHRACENE	0.29	ug/L	U*	UJ	10L
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	INDENO(1,2,3-CD)PYRENE	0.29	ug/L	U*	UJ	10L
J47171-1	WM-FT-1B-20150122-W	580-47171-3	SW8270D	PENTACHLOROPHENOL	1.7	ug/L	J*	J	9
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	1,2,4-TRICHLOROBENZENE	1.9	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	1,2-DICHLOROBENZENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	1,3-DICHLOROBENZENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	1,4-DICHLOROBENZENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	1-METHYLNAPHTHALENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,3,4,6-TETRACHLOROPHENOL	3.3	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4,5-TRICHLOROPHENOL	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4,6-TRICHLOROPHENOL	2.8	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4-DICHLOROPHENOL	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4-DIMETHYLPHENOL	9.5	ug/L	UH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4-DINITROPHENOL	24	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,4-DINITROTOLUENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2,6-DINITROTOLUENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-CHLORONAPHTHALENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-CHLOROPHENOL	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-METHYLNAPHTHALENE	0.14	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-METHYLPHENOL	1.9	ug/L	UH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-NITROANILINE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	2-NITROPHENOL	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	3,3'-DICHLOROBENZIDINE	9.5	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	3-NITROANILINE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	19	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-CHLOROANILINE	1.9	ug/L	UH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-METHYLPHENOL	16	ug/L	H	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-NITROANILINE	2.8	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	4-NITROPHENOL	14	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	ACENAPHTHENE	0.10	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	ACENAPHTHYLENE	0.38	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	ANTHRACENE	0.096	ug/L	JH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZO(A)ANTHRACENE	0.12	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZO(A)PYRENE	0.19	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZO(B)FLUORANTHENE	0.38	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZO(GHI)PERYLENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZO(K)FLUORANTHENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZOIC ACID	9.3	ug/L	JH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BENZYL ALCOHOL	1.0	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	14	ug/L	UH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	BUTYL BENZYL PHTHALATE	1.2	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	CARBAZOLE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	CHRYSENE	0.19	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DIBENZOFURAN	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DIETHYL PHTHALATE	0.79	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DIMETHYL PHTHALATE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DI-N-BUTYLPHTHALATE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	DI-N-OCTYL PHTHALATE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	FLUORANTHENE	0.26	ug/L	H	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	FLUORENE	0.17	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	HEXACHLOROBENZENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	HEXACHLOROBUTADIENE	2.8	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	9.5	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	HEXACHLOROETHANE	2.8	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	0.28	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	ISOPHORONE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	NAPHTHALENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	NITROBENZENE	1.9	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	N-NITROSODIMETHYLAMINE	9.5	ug/L	UH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	1.9	ug/L	UH*	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	N-NITROSODIPHENYLAMINE	1.9	ug/L	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	PENTACHLOROPHENOL	1.5	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	PHENANTHRENE	0.61	ug/L	H	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	PHENOL	0.66	ug/L	JH	DNR	11
J47171-1	WM-FT-1B-20150122-W	580-47171-3_RE	SW8270D	PYRENE	0.24	ug/L	JH	DNR	11
J47345-1	WM-CB-11-20150203-W	580-47345-1	SM4500H+B	PH	6.83	SU	HF	J	1
J47345-1	WM-CB-11-20150203-W	580-47345-1	SW8270D	4,6-DINITRO-2-METHYLPHENOL	3.8	ug/L	U*	UJ	10L
J47345-1	WM-CB-11-20150203-W	580-47345-1	SW8270D	4-CHLOROANILINE	0.38	ug/L	U*	R	10L
J47345-1	WM-CB-11-20150203-W	580-47345-1	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	6.3	ug/L	*	J	9
J47345-1	WM-CB-11-20150203-W	580-47345-1	SW8270D	DIETHYL PHTHALATE	0.31	ug/L	JB	U	7
J47345-1	WM-MH-61-20150203-S	580-47345-2	NWTPH-DX	#2 DIESEL	1100	mg/Kg	Y	J	2,8,9
J47345-1	WM-MH-61-20150203-S	580-47345-2	NWTPH-DX	MOTOR OIL	5900	mg/Kg	Y	J	2
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	1,2,4-TRICHLOROBENZENE	95	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	2-CHLORONAPHTHALENE	38	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	2-CHLOROPHENOL	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	2-METHYLPHENOL	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	4-CHLOROPHENYL-PHENYLETHER	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	ACENAPHTHENE	260	ug/Kg	*	J	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	ACENAPHTHYLENE	47	ug/Kg	*	J	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	BIS(2-CHLOROETHOXY)METHANE	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	BIS(2-CHLOROETHYL)ETHER	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	BUTYL BENZYL PHTHALATE	1000	ug/Kg	B	U	7
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	DIBENZOFURAN	220	ug/Kg	*	J	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	DIETHYL PHTHALATE	390	ug/Kg	B	U	7
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	DIMETHYL PHTHALATE	45	ug/Kg	J*	J	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	HEXACHLOROBUTADIENE	95	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	HEXACHLOROETHANE	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	ISOPHORONE	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2	SW8270D	NITROBENZENE	190	ug/Kg	U*	UJ	10L
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	1,2,4-TRICHLOROBENZENE	94	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	1,2-DICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	1,3-DICHLOROBENZENE	94	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	1,4-DICHLOROBENZENE	94	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	1-METHYLNAPHTHALENE	210	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	470	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4,5-TRICHLOROPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4,6-TRICHLOROPHENOL	280	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4-DICHLOROPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4-DIMETHYLPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4-DINITROPHENOL	1900	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,4-DINITROTOLUENE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2,6-DINITROTOLUENE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-CHLORONAPHTHALENE	37	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-CHLOROPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-METHYLNAPHTHALENE	310	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-METHYLPHENOL	47	ug/Kg	JH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-NITROANILINE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	2-NITROPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	3,3'-DICHLOROBENZIDINE	370	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	3-NITROANILINE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	1900	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-CHLOROANILINE	190	ug/Kg	UH^	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-METHYLPHENOL	1500	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-NITROANILINE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	4-NITROPHENOL	1900	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	ACENAPHTHENE	280	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	ACENAPHTHYLENE	40	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	ANTHRACENE	600	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZO(A)ANTHRACENE	830	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZO(A)PYRENE	550	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZO(B)FLUORANTHENE	1000	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZO(GHI)PERYLENE	210	ug/Kg	H	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZO(K)FLUORANTHENE	310	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZOIC ACID	4700	ug/Kg	UH*	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BENZYL ALCOHOL	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	BUTYL BENZYL PHTHALATE	970	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	CARBAZOLE	350	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	CHRYSENE	1500	ug/Kg	*H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	88	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DIBENZOFURAN	280	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DIETHYL PHTHALATE	280	ug/Kg	JHB	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DIMETHYL PHTHALATE	32	ug/Kg	JH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DI-N-BUTYLPHTHALATE	940	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	DI-N-OCTYL PHTHALATE	200	ug/Kg	JH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	FLUORANTHENE	3300	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	FLUORENE	490	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	HEXACHLOROBENZENE	94	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	HEXACHLOROBUTADIENE	94	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	HEXACHLOROETHANE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	250	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	ISOPHORONE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	NAPHTHALENE	250	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	NITROBENZENE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	N-NITROSODIMETHYLAMINE	1900	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	190	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	N-NITROSODIPHENYLAMINE	94	ug/Kg	UH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	PENTACHLOROPHENOL	200	ug/Kg	JH	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	PHENANTHRENE	3200	ug/Kg	H*	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	PHENOL	220	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_RE	SW8270D	PYRENE	2500	ug/Kg	H	DNR	11
J47345-1	WM-MH-61-20150203-S	580-47345-2_REDL	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	28000	ug/Kg	H	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-52-20150203-S	580-47345-3	NWTPH-DX	#2 DIESEL	3600	mg/Kg	Y	J	2
J47345-1	WM-CB-52-20150203-S	580-47345-3	NWTPH-DX	MOTOR OIL	20000	mg/Kg	Y	J	2
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1,1,2-TETRACHLOROETHANE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1,1-TRICHLOROETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1,2,2-TETRACHLOROETHANE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1,2-TRICHLOROETHANE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1-DICHLOROETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1-DICHLOROETHENE	20	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,1-DICHLOROPROPENE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2,3-TRICHLOROBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2,3-TRICHLOROPROPANE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2,4-TRICHLOROBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2,4-TRIMETHYLBENZENE	200	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2-DIBROMO-3-CHLOROPROPANE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2-DIBROMOETHANE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2-DICHLOROBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2-DICHLOROETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,2-DICHLOROPROPANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,3,5-TRIMETHYLBENZENE	120	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,3-DICHLOROBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,3-DICHLOROPROPANE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	1,4-DICHLOROBENZENE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	2,2-DICHLOROPROPANE	20	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	2-BUTANONE	40	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	2-CHLOROETHYL VINYL ETHER	20	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	2-CHLOROTOLUENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	2-HEXANONE	20	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	4-CHLOROTOLUENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	4-ISOPROPYLTOLUENE	130	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	4-METHYL-2-PENTANONE	22	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	ACETONE	650	ug/Kg		J	13

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	ACROLEIN	120	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	ACRYLONITRILE	40	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BENZENE	2.1	ug/Kg	J	J	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BROMOBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BROMOCHLOROMETHANE	8.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BROMODICHLOROMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BROMOFORM	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	BROMOMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CARBON DISULFIDE	15	ug/Kg		J	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CARBON TETRACHLORIDE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CHLOROBENZENE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CHLORODIBROMOMETHANE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CHLOROETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CHLOROFORM	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CHLOROMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CIS-1,2-DICHLOROETHENE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	CIS-1,3-DICHLOROPROPENE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	DIBROMOMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	DICHLORODIFLUOROMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	ETHYLBENZENE	12	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	HEXACHLOROBUTADIENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	IODOMETHANE	60	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	ISOPROPYLBENZENE	8.7	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	M, P-XYLENE	43	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	METHYL TERT-BUTYL ETHER	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	METHYLENE CHLORIDE	60	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	NAPHTHALENE	11	ug/Kg	J*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	N-BUTYLBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	N-PROPYLBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	O-XYLENE	50	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	SEC-BUTYLBENZENE	8.0	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	STYRENE	8.0	ug/Kg	U*	UJ	13,19

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TERT-BUTYLBENZENE	8.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TETRACHLOROETHENE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TOLUENE	19	ug/Kg	*	J	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TRANS-1,2-DICHLOROETHENE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TRANS-1,3-DICHLOROPROPENE	4.0	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TRANS-1,4-DICHLORO-2-BUTENE	20	ug/Kg	U*	UJ	13,19
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TRICHLOROETHENE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	TRICHLOROFLUOROMETHANE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	VINYL ACETATE	20	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8260	VINYL CHLORIDE	4.0	ug/Kg	U	UJ	13
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	1,2,4-TRICHLOROBENZENE	110	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	2-CHLORONAPHTHALENE	43	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	2-CHLOROPHENOL	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	2-METHYLPHENOL	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	4-CHLOROPHENYL-PHENYLETHER	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	ACENAPHTHENE	76	ug/Kg	*	J	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	ACENAPHTHYLENE	54	ug/Kg	*	J	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	BIS(2-CHLOROETHOXY)METHANE	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	BIS(2-CHLOROETHYL)ETHER	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	BUTYL BENZYL PHTHALATE	850	ug/Kg	B	U	7
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	DIBENZOFURAN	100	ug/Kg	J*	J	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	DIMETHYL PHTHALATE	91	ug/Kg	J*	J	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	HEXACHLOROBUTADIENE	110	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	HEXACHLOROETHANE	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	ISOPHORONE	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3	SW8270D	NITROBENZENE	210	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	1,2,4-TRICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	1,2-DICHLOROBENZENE	110	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	1,3-DICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	1,4-DICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	1-METHYLNAPHTHALENE	170	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	520	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4,5-TRICHLOROPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4,6-TRICHLOROPHENOL	310	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4-DICHLOROPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4-DIMETHYLPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4-DINITROPHENOL	2100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,4-DINITROTOLUENE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2,6-DINITROTOLUENE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-CHLORONAPHTHALENE	42	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-CHLOROPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-METHYLNAPHTHALENE	240	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-METHYLPHENOL	36	ug/Kg	JH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-NITROANILINE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	2-NITROPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	3,3'-DICHLOROBENZIDINE	420	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	3-NITROANILINE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	2100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-CHLOROANILINE	210	ug/Kg	UH^	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-METHYLPHENOL	270	ug/Kg	JH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-NITROANILINE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	4-NITROPHENOL	2100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	ACENAPHTHENE	100	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	ACENAPHTHYLENE	42	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	ANTHRACENE	230	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZO(A)ANTHRACENE	520	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZO(A)PYRENE	320	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZO(B)FLUORANTHENE	980	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZO(GHI)PERYLENE	170	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZO(K)FLUORANTHENE	310	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZOIC ACID	5200	ug/Kg	UH*	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BENZYL ALCOHOL	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	BUTYL BENZYL PHTHALATE	700	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	CARBAZOLE	200	ug/Kg	JH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	CHRYSENE	1500	ug/Kg	*H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	84	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DIBENZOFURAN	96	ug/Kg	JH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DIETHYL PHTHALATE	1600	ug/Kg	HB	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DIMETHYL PHTHALATE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DI-N-BUTYLPHTHALATE	1000	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	DI-N-OCTYL PHTHALATE	950	ug/Kg	JH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	FLUORANTHENE	2200	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	FLUORENE	260	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	HEXACHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	HEXACHLOROBUTADIENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	HEXACHLOROETHANE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	190	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	ISOPHORONE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	NAPHTHALENE	73	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	NITROBENZENE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	N-NITROSODIMETHYLAMINE	2100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	210	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	N-NITROSODIPHENYLAMINE	360	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	PENTACHLOROPHENOL	420	ug/Kg	UH	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	PHENANTHRENE	1600	ug/Kg	H*	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	PHENOL	210	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_RE	SW8270D	PYRENE	2500	ug/Kg	H	DNR	11
J47345-1	WM-CB-52-20150203-S	580-47345-3_REDL	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	56000	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4	NWTPH-DX	#2 DIESEL	2100	mg/Kg	Y	J	2
J47345-1	WM-CB-21-20150203-S	580-47345-4	NWTPH-DX	MOTOR OIL	14000	mg/Kg	Y	J	2

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	1,2,4-TRICHLOROBENZENE	130	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	2-CHLORONAPHTHALENE	53	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	2-CHLOROPHENOL	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	2-METHYLPHENOL	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	4-CHLOROPHENYL-PHENYLETHER	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	ACENAPHTHENE	100	ug/Kg	*	J	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	ACENAPHTHYLENE	54	ug/Kg	*	J	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	BIS(2-CHLOROETHOXY)METHANE	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	BIS(2-CHLOROETHYL)ETHER	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	DIBENZOFURAN	140	ug/Kg	J*	J	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	DIMETHYL PHTHALATE	130	ug/Kg	J*	J	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	HEXACHLOROBUTADIENE	130	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	HEXACHLOROETHANE	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	ISOPHORONE	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4	SW8270D	NITROBENZENE	260	ug/Kg	U*	UJ	10L
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	1,2,4-TRICHLOROBENZENE	130	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	1,2-DICHLOROBENZENE	140	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	1,3-DICHLOROBENZENE	130	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	1,4-DICHLOROBENZENE	130	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	1-METHYLNAPHTHALENE	50	ug/Kg	JH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	640	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4,5-TRICHLOROPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4,6-TRICHLOROPHENOL	380	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4-DICHLOROPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4-DIMETHYLPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4-DINITROPHENOL	2600	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,4-DINITROTOLUENE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2,6-DINITROTOLUENE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-CHLORONAPHTHALENE	51	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-CHLOROPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-METHYLNAPHTHALENE	62	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-METHYLPHENOL	260	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-NITROANILINE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	2-NITROPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	3,3'-DICHLOROBENZIDINE	510	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	3-NITROANILINE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	2600	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-CHLOROANILINE	260	ug/Kg	UH^	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-METHYLPHENOL	1200	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-NITROANILINE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	4-NITROPHENOL	2600	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	ACENAPHTHENE	150	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	ACENAPHTHYLENE	58	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	ANTHRACENE	430	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZO(A)ANTHRACENE	570	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZO(A)PYRENE	320	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZO(B)FLUORANTHENE	1100	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZO(GHI)PERYLENE	170	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZO(K)FLUORANTHENE	240	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZOIC ACID	6400	ug/Kg	UH*	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BENZYL ALCOHOL	160	ug/Kg	JH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	BUTYL BENZYL PHTHALATE	1400	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	CARBAZOLE	310	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	CHRYSENE	1500	ug/Kg	*H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	100	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DIBENZOFURAN	170	ug/Kg	JH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DIETHYL PHTHALATE	940	ug/Kg	HB	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DIMETHYL PHTHALATE	7000	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DI-N-BUTYLPHTHALATE	160	ug/Kg	JH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	DI-N-OCTYL PHTHALATE	1700	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	FLUORANTHENE	4100	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	FLUORENE	440	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	HEXACHLOROBENZENE	130	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	HEXACHLOROBUTADIENE	130	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	HEXACHLOROETHANE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	130	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	ISOPHORONE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	NAPHTHALENE	89	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	NITROBENZENE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	N-NITROSODIMETHYLAMINE	2600	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	260	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	N-NITROSODIPHENYLAMINE	56	ug/Kg	JH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	PENTACHLOROPHENOL	510	ug/Kg	UH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	PHENANTHRENE	3700	ug/Kg	H*	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	PHENOL	190	ug/Kg	JH	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_RE	SW8270D	PYRENE	3100	ug/Kg	H	DNR	11
J47345-1	WM-CB-21-20150203-S	580-47345-4_REDL	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	24000	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1	NWTPH-DX	#2 DIESEL	930	mg/Kg	Y	J	2,8L,9
J47459-1	ST-CB-08-20150210-S	580-47459-1	NWTPH-DX	MOTOR OIL	2700	mg/Kg	Y	J	2,8,9
J47459-1	ST-CB-08-20150210-S	580-47459-1	NWTPH-GX	GASOLINE	4.9	mg/Kg	JB	U	7
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW6020	CHROMIUM	42	mg/Kg		J	8H
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8260	4-METHYL-2-PENTANONE	15	ug/Kg	*	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	1,2,4-TRICHLOROBENZENE	97	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	2-CHLORONAPHTHALENE	39	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	2-CHLOROPHENOL	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	2-METHYLPHENOL	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	4-CHLOROPHENYL-PHENYLETHER	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	ACENAPHTHENE	120	ug/Kg	*	J	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	ACENAPHTHYLENE	44	ug/Kg	*	J	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	BIS(2-CHLOROETHOXY)METHANE	190	ug/Kg	U*	UJ	10L

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	BIS(2-CHLOROETHYL)ETHER	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	BUTYL BENZYL PHTHALATE	97	ug/Kg	JB	U	7
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	DIBENZOFURAN	220	ug/Kg	*	J	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	DIETHYL PHTHALATE	150	ug/Kg	JB	U	7
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	DIMETHYL PHTHALATE	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	HEXACHLOROBUTADIENE	97	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	HEXACHLOROETHANE	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	ISOPHORONE	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1	SW8270D	NITROBENZENE	190	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	1,2,4-TRICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	1,2-DICHLOROBENZENE	110	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	1,3-DICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	1,4-DICHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	1-METHYLNAPHTHALENE	34	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	500	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4,5-TRICHLOROPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4,6-TRICHLOROPHENOL	300	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4-DICHLOROPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4-DIMETHYLPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4-DINITROPHENOL	2000	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,4-DINITROTOLUENE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2,6-DINITROTOLUENE	65	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-CHLORONAPHTHALENE	40	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-CHLOROPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-METHYLNAPHTHALENE	100	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-METHYLPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-NITROANILINE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	2-NITROPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	3,3'-DICHLOROBENZIDINE	400	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	3-NITROANILINE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	2000	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	200	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-CHLOROANILINE	200	ug/Kg	UH^	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-METHYLPHENOL	180	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-NITROANILINE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	4-NITROPHENOL	2000	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	ACENAPHTHENE	150	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	ACENAPHTHYLENE	58	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	ANTHRACENE	620	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZO(A)ANTHRACENE	1700	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZO(A)PYRENE	700	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZO(B)FLUORANTHENE	1800	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZO(GHI)PERYLENE	390	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZO(K)FLUORANTHENE	800	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZOIC ACID	5000	ug/Kg	UH*	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BENZYL ALCOHOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	4500	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	BUTYL BENZYL PHTHALATE	400	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	CARBAZOLE	110	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	CHRYSENE	2900	ug/Kg	*H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	130	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DIBENZOFURAN	240	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DIETHYL PHTHALATE	75	ug/Kg	JHB	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DIMETHYL PHTHALATE	27	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DI-N-BUTYLPHTHALATE	1000	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	DI-N-OCTYL PHTHALATE	110	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	FLUORANTHENE	3100	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	FLUORENE	240	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	HEXACHLOROBENZENE	100	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	HEXACHLOROBUTADIENE	100	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	HEXACHLOROETHANE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	500	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	ISOPHORONE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	NAPHTHALENE	120	ug/Kg	H	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	NITROBENZENE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	N-NITROSODIMETHYLAMINE	2000	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	N-NITROSODIPHENYLAMINE	64	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	PENTACHLOROPHENOL	170	ug/Kg	JH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	PHENANTHRENE	1000	ug/Kg	H*	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	PHENOL	200	ug/Kg	UH	DNR	11
J47459-1	ST-CB-08-20150210-S	580-47459-1_RE	SW8270D	PYRENE	3800	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2	NWTPH-DX	#2 DIESEL	1300	mg/Kg	Y	J	2
J47459-1	ST-CB-04A-20150210-S	580-47459-2	NWTPH-DX	MOTOR OIL	6400	mg/Kg	Y	J	2
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW6020	CHROMIUM	84	mg/Kg		J	8H
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	1,2,4-TRICHLOROBENZENE	89	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	2-CHLORONAPHTHALENE	35	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	2-CHLOROPHENOL	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	2-METHYLPHENOL	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	4-CHLOROPHENYL-PHENYLETHER	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	ACENAPHTHENE	460	ug/Kg	*	J	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	ACENAPHTHYLENE	72	ug/Kg	*	J	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	BIS(2-CHLOROETHOXY)METHANE	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	BIS(2-CHLOROETHYL)ETHER	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	BUTYL BENZYL PHTHALATE	630	ug/Kg	B	U	7
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	DIBENZOFURAN	530	ug/Kg	*	J	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	DIETHYL PHTHALATE	150	ug/Kg	JB	U	7
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	DIMETHYL PHTHALATE	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	HEXACHLOROBUTADIENE	89	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	HEXACHLOROETHANE	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	ISOPHORONE	180	ug/Kg	U*	UJ	10L

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-04A-20150210-S	580-47459-2	SW8270D	NITROBENZENE	180	ug/Kg	U*	UJ	10L
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	1,2,4-TRICHLOROBENZENE	86	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	1,2-DICHLOROBENZENE	95	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	1,3-DICHLOROBENZENE	86	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	1,4-DICHLOROBENZENE	86	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	1-METHYLNAPHTHALENE	96	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	430	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4,5-TRICHLOROPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4,6-TRICHLOROPHENOL	260	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4-DICHLOROPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4-DIMETHYLPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4-DINITROPHENOL	1700	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,4-DINITROTOLUENE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2,6-DINITROTOLUENE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-CHLORONAPHTHALENE	34	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-CHLOROPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-METHYLNAPHTHALENE	190	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-METHYLPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-NITROANILINE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	2-NITROPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	3,3'-DICHLOROBENZIDINE	340	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	3-NITROANILINE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4,6-DINITRO-2-METHYLPHENOL	1700	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-BROMOPHENYL PHENYL ETHER	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-CHLORO-3-METHYLPHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-CHLOROANILINE	170	ug/Kg	UH^	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-CHLOROPHENYL-PHENYLETHER	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-METHYLPHENOL	340	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-NITROANILINE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	4-NITROPHENOL	1700	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	ACENAPHTHENE	550	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	ACENAPHTHYLENE	65	ug/Kg	H	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	ANTHRACENE	1200	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZO(A)ANTHRACENE	1300	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZO(A)PYRENE	720	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZO(B)FLUORANTHENE	1400	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZO(GHI)PERYLENE	360	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZO(K)FLUORANTHENE	620	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZOIC ACID	4300	ug/Kg	UH*	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BENZYL ALCOHOL	310	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BIS(2-CHLOROETHOXY)METHANE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BIS(2-CHLOROETHYL)ETHER	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	4000	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	BUTYL BENZYL PHTHALATE	270	ug/Kg	JH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	CARBAZOLE	460	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	CHRYSENE	2200	ug/Kg	*H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DIBENZ(A,H)ANTHRACENE	130	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DIBENZOFURAN	450	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DIETHYL PHTHALATE	71	ug/Kg	JHB	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DIMETHYL PHTHALATE	64	ug/Kg	JH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DI-N-BUTYLPHTHALATE	860	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	DI-N-OCTYL PHTHALATE	180	ug/Kg	JH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	FLUORANTHENE	5100	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	FLUORENE	740	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	HEXACHLOROBENZENE	86	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	HEXACHLOROBUTADIENE	86	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	HEXACHLOROCYCLOPENTADIENE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	HEXACHLOROETHANE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	INDENO(1,2,3-CD)PYRENE	490	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	ISOPHORONE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	NAPHTHALENE	170	ug/Kg	H	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	NITROBENZENE	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	N-NITROSODIMETHYLAMINE	1700	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	N-NITROSODI-N-PROPYLAMINE	170	ug/Kg	UH	DNR	11

Qualified Data Summary Table
LDW NPDES Sampling Support

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	N-NITROSODIPHENYLAMINE	74	ug/Kg	JH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	PENTACHLOROPHENOL	340	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	PHENANTHRENE	3200	ug/Kg	H*	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	PHENOL	170	ug/Kg	UH	DNR	11
J47459-1	ST-CB-04A-20150210-S	580-47459-2_RE	SW8270D	PYRENE	4500	ug/Kg	H	DNR	11
J47459-1	ST-TS-01-20150210-W	580-47459-3	SM4500H+B	PH	8.35	SU	HF	J	1
J47459-1	ST-TS-01-20150210-W	580-47459-3	SW8270D	3,3'-DICHLOROBENZIDINE	9.5	ug/L	U*	R	10L
J47459-1	ST-TS-01-20150210-W	580-47459-3	SW8270D	4-CHLOROANILINE	1.9	ug/L	U*	R	10L
J47459-1	ST-TS-01-20150210-W	580-47459-3	SW8270D	ANTHRACENE	0.16	ug/L	J*	J	10L
J47459-1	ST-TS-01-20150210-W	580-47459-3	SW8270D	BENZO(A)PYRENE	0.19	ug/L	U*	UJ	10L
J47459-1	ST-TS-01-20150210-W	580-47459-3	SW8270D	DIETHYL PHTHALATE	0.82	ug/L	JB	U	7
J47459-1	ST-FD-02-20150210-W	580-47459-4	SM4500H+B	PH	8.44	SU	HF	J	1
J47459-1	ST-FD-02-20150210-W	580-47459-4	SW8270D	3,3'-DICHLOROBENZIDINE	9.5	ug/L	U*	R	10L
J47459-1	ST-FD-02-20150210-W	580-47459-4	SW8270D	4-CHLOROANILINE	1.9	ug/L	U*	R	10L
J47459-1	ST-FD-02-20150210-W	580-47459-4	SW8270D	ANTHRACENE	0.15	ug/L	J*	J	10L
J47459-1	ST-FD-02-20150210-W	580-47459-4	SW8270D	BENZO(A)PYRENE	0.19	ug/L	U*	UJ	10L
J47459-1	ST-FD-02-20150210-W	580-47459-4	SW8270D	DIETHYL PHTHALATE	0.83	ug/L	JB	U	7
J47459-1	ST-0F-01-20150210-W	580-47459-5	SM4500H+B	PH	8.39	SU	HF	J	1
J47459-1	ST-0F-01-20150210-W	580-47459-5	SW8270D	3,3'-DICHLOROBENZIDINE	9.5	ug/L	U*	R	10L
J47459-1	ST-0F-01-20150210-W	580-47459-5	SW8270D	4-CHLOROANILINE	1.9	ug/L	U*	R	10L
J47459-1	ST-0F-01-20150210-W	580-47459-5	SW8270D	ANTHRACENE	0.21	ug/L	*	J	10L
J47459-1	ST-0F-01-20150210-W	580-47459-5	SW8270D	BENZO(A)PYRENE	0.099	ug/L	J*	J	10L
J47459-1	ST-0F-01-20150210-W	580-47459-5	SW8270D	DIETHYL PHTHALATE	0.73	ug/L	JB	U	7
J45906-1	CC-CB-04-2014013-S	580-45906-4	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	2100	ug/Kg	U	DNR	11
J45906-1	CC-CB-22-2014013-S	580-45906-5	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	2100	ug/Kg	U	DNR	11
J45835-1	SP-OWS-09-20141008-S	580-45835-2_RE	SW8270D	2,2'-OXYBIS(1-CHLOROPROPANE)	1100	ug/Kg	UH	DNR	11