Lower Duwamish Waterway NPDES Inspection Sampling Support

Technical Memorandum

Final

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

January 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

List of Acronyms

µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
2LAET	Second Lowest Apparent Effects Threshold
AET	Apparent Effects Thresholds
AM	Alaska Marine Lines
ARI	Analytical Resources, Inc.
BMP	Best Management Practices
CaCO3	calcium carbonate
CB	catch basin
CG	ConGlobal Industries
COC	contaminant of concern
CL	Cadman Seattle
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSL	Cleanup Screening Level
DD	drainage ditch
DGPS	differential global positioning system
DOC	dissolved organic carbon
DW	dry weight
Ecology	Washington State Department of Ecology
EMPC	estimated maximum possible concentration
ES	Emerald Services
EPA	U.S. Environmental Protection Agency
GPS	global positioning system
GR	General Recycling
HPAH	high molecular weight polycyclic aromatic hydrocarbon
HpCDD	heptachlorodibenzo-p-dioxin
HpCDF	heptachlorodibenzofuran
HxCDD	hexachlorodibenzo-p-dioxin
HxCDF	hexachlorodibenzofuran
IM	Independent Metals
ISGP	Industrial Stormwater General Permit
IV	influent vault
J, JN	estimated concentration
KC	King County International Airport
LAET	Lowest Apparent Effects Threshold
LCS/LCSD	laboratory control sample / laboratory control sample duplicate
LDW	Lower Duwamish Waterway
LF	Lafarge Cement
LPAH	low molecular weight polycyclic aromatic hydrocarbon
LS	lift station
mg/kg	milligrams per kilogram

mg/L	milligrams per liter
mg-N/L	milligrams per liter as nitrogen
MH	manhole
MHF	manhole "F" drainage
MS/MSD	matrix spike/matrix spike duplicate
MTCA	Model Toxics Control Act
na	not analyzed
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
NS	Northland Services
NTR	National Toxics Rule
OC	organic carbon
OCDD	octachlorodibenzo-p-dioxin
OCDF	octachlorodibenzofuran
OF	outfall
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PeCDD	pentachlorodibenzo-p-dioxin
PeCDF	pentachlorodibenzofuran
pg/L	picograms per Liter
PSEP	Puget Sound Estuary Program
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
RAL	Remedial Action Level
RL	reporting limit
SAIC	Science Applications International Corporation
SAP	sampling and analysis plan
SD	Shultz Distributing
SDL	sample detection limit
SF4	sand filter 4
SGS	SGS Analytical Perspectives
SIM	selected ion monitoring
SMS	Sediment Management Standards
SP	sump pump
SQS	Sediment Quality Standard
std units	standard units
SVOC	semivolatile organic compound
SW	surface water
SWPPP	Stormwater Pollution Prevention Plan

TCDD	tetrachlorodibenzo-*p*-dioxin
TCDF	tetrachlorodibenzofuran
TEF	toxicity equivalency factor
TEQ	toxic equivalency
TOC	total organic carbon
TP	transfer sump pump
TPH	total petroleum hydrocarbon
TS	treatment system
TSS	total suspended solids
U	not detected
UP	Union Pacific
USACE	U.S. Army Corps of Engineers
VOC	volatile organic compound
VT	vault
WA	Washington
WAC	Washington Administrative Code
WQC	water quality criteria for toxic substances
WQS	Water Quality Standards
WS	oil/water separator
WW	wet weight

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 demonstrates that a discharge may contribute to violation of the Washington State surface 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.

This Technical Memorandum presents a summary of analytical results for water and solids samples collected from the stormwater conveyance systems of 11 NPDES-permitted facilities. The samples were collected during Ecology Water Quality and Toxics Cleanup Program facility inspections conducted between March and June 2013.

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 criteria for Washington State surface WQS and/or SMS.
- 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 reports. References are listed in Section 5.0.

Attachment 1 includes comprehensive data tables, which provide all data collected during the sampling program described in this Technical Memorandum. Attachment 2 includes the independent data validation report for the chemical analyses performed on the water and solids samples.

Appendices A through K provide facility-specific background information and inspection and sampling results. 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.

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* (SAIC 2013). 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 11 facilities between March 26, 2013 and June 26, 2013. 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) 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 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.

To collect the water sample from a confined space, a decontaminated, stainless steel 5-gallon container was 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 A through K. Sample locations and types for all facilities are listed below in Table 2.1. Additional information regarding each sample, including dates, times, and coordinates for all sampling locations are presented in Table 1 (Attachment 1).

Table 2.1 Water and Solids Sampling Locations

Facility	Location ID	Date	Water Sample	Solids Sample
Alaska Marine Lines – 5600 W Marginal (AM)	AM-SF4-EFF[a]	06/12/13		♦
	AM-VT-INF	06/12/13		♦
ConGlobal Industries (CG)	CG-MH-010	04/23/13		♦
Cadman Seattle (CL)	CL-MH-SPS	06/05/13	♦	♦
	CL-VT-EFF	06/05/13	♦	
Emerald Services – East Marginal Way (ES)	ES-MH-001	04/24/13	♦	
	ES-TS-INF	04/24/13		♦
General Recycling (GR)	GR-MH-01	04/04/13	♦	
	GR-MH-03	04/04/13		♦
	GR-CB-07	04/11/13		♦
	GR-WS-05	04/11/13		♦
Independent Metals (IM)	IM-CB-01	04/10/13		♦
	IM-CB-02	04/10/13		♦
	IM-MH-01	04/10/13	♦	
	IM-SW-01	04/10/13	♦	
King County International Airport (KC)	KC-CB-01	05/30/13		♦
	KC-DD-2009	05/30/13		♦
	KC-VT-1593	05/30/13	♦	♦
	KC-IV-SPS	05/31/13		♦
Lafarge (LF)	LF-LS-004	06/19/13		♦
	LF-TP-001[b]	06/19/13	♦	♦
Northland Services (NS)	NS-CB-421	04/16/13		♦
	NS-CB-423	04/16/13		♦
	NS-CB-547[c]	04/16/13		♦
	NS-MH-536	04/16/13		♦
Northland Services (NS) (continued)	NS-MH-682	04/19/13	♦	
	NS-OF-002	04/19/13	♦	
	NS-OF-006	04/19/13	♦	
	NS-WS-316	04/19/13	♦	

Facility	Location ID	Date	Water Sample	Solids Sample
Shultz Distributing (SD)	SD-CB-01	03/26/13		♦
	SD-SP-01	03/26/13	♦	♦
Union Pacific Railroad – Argo Yard (UP)	UP-CB-A6	06/26/13		♦
	UP-CB-B8	06/26/13	♦	♦
	UP-MHF-165	06/26/13		♦

[a] Field duplicate AM-DUP-01-20130612-S was collected at AM-SF4-EFF.
[b] Field duplicate LF-FD-001-20130619-W was collected at LF-TP-001.
[c] Field duplicate NS-DUP-01-20130416-S was collected at NS-CB-547.
CB - catch basin; DD - drainage ditch; IV - influent vault; LS - lift station; MH - manhole; MHF - manhole "F" drainage; OF - outfall; SF4 - sand filter; SP - sump pump; SW - surface water; TP - transfer sump pump; TS - treatment system; VT - vault; WS – oil water separator

2.2 Sample Identification

Water and solids samples were identified by the facility abbreviation (Table 2.1), stormwater conveyance structure type, location identification number, sample date (*yyyymmdd*), and "W" for water samples or "S" for solids samples.

For example:

SD-CB-01-20130326-S is a solids catch basin sample collected from catch basin 01 at the Shultz Distributing facility on March 26, 2013. SD-SP-01-20130326-W is a water sample collected from sump pump 01 at the Shultz Distributing facility on March 26, 2013.

2.3 Deviations from the Sampling and Analysis Plan

The following deviations from the SAP occurred during the 2013 sampling program at NPDES-permitted facilities:

- Thirteen facilities were proposed for inspection and sampling; however, per Ecology direction only 11 facilities were inspected and sampled.
- Up to 13 water grab samples were proposed to be collected; however, 15 water grab samples (including 1 field duplicate) were collected.
- The method for collecting water samples was modified. Rather than use a glass jar attached to the end of a telescoping pole to collect the grab samples, the field team attached a stainless steel 5-gallon bucket to the end of a telescoping pole for sample collection. The water was transferred from the stainless steel bucket to the sample bottles with a stainless steel pitcher. This deviation was made to accommodate the large sample volume and variety of sample containers needed by the laboratory to perform all analyses. The large sample volume was also necessary because most of the facilities opted for split samples.
- Two water samples collected at Independent Metals were analyzed for polychlorinated biphenyl (PCB) Aroclors by U.S. Environmental Protection Agency (EPA) Method 8082 per Ecology's request and to be consistent with the facility's PCBs monitoring. These samples were also analyzed for PCB congeners by EPA Method 1668B per SAP/QAPP

specifications. The analysis of PCB Aroclors was not listed for water samples in the SAP/QAPP.

- All water samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270-selected ion monitoring (SIM) to achieve lower reporting limits. This analysis was not specified in the SAP/QAPP.
- Up to 52 solids grab samples were proposed to be collected; however, only 27 solids grab samples (including 2 field duplicates) were collected.
- 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 Attachment 1.
- Sample identifications were altered from what was pre-determined in the SAP to accommodate facility-specific location identifiers. The facilities and the abbreviations used in identifying samples are listed in Table 2.1.
- In order to achieve lower reporting limits, the solids samples were analyzed by inductively coupled plasma-atomic emission spectrometry by EPA Method 6010 for zinc instead of inductively coupled plasma-mass spectrometry by EPA Method 200.8 for solids samples. The analyses are comparable and data quality is not impacted.
- The SAP/QAPP specifies a holding time of 14 days to extraction for the Ecology Method NWTPH-Dx analysis. Three samples (UP-CB-B8-20130626-S, UP-MHF-165-20130626-S, and UP-CB-A6-20130626-S) were extracted 14 days beyond this standard holding time; however, the extraction was conducted within the 1 year holding time for frozen sediments listed in the Sediment Evaluation Framework for the Pacific Northwest (USACE et al. 2009). These solids samples were frozen upon receipt at the laboratory, therefore data quality is not affected.
- Extracts for solids samples did not undergo sulfuric acid/silica gel cleanup as noted in Table 2 of the SAP/QAPP, with one exception. The extract for sample CG-MH-010-20130423-S underwent this cleanup procedure upon reanalysis. Consequently, the diesel- and motor oil-range hydrocarbons results for all solids samples except CG-MH-010-20130423-S may be biased high from biogenic interferences.
- Up to five filtered solids samples were proposed to be collected; however, no filtered solids samples were collected.
- Leidos assumed 20% of the facilities (or 20% of the total number of samples) would request split samples for duplicate analysis. Eight of the 11 facilities (73% of the facilities) requested and received split samples for duplicate analysis.

3.0 Chemical Analysis

This section summarizes results of the chemical analysis of water and solids samples collected during the 2013 sampling program. Fifteen 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 and results for all water and solids samples are presented as Attachment 1. The data validation is summarized in Section 4.0 and the full validation report is presented as Attachment 2. Original laboratory reports are provided as attachments in facility-specific appendices (Appendices A through K).

Water sample results were compared to Washington State WQS water quality criteria for toxic substances (WA WQC)[1] and National Toxics Rule human health water quality criteria for consumption of organisms only (NTR WQC)[2]. Metals results are also compared to NPDES ISGP criteria for quarterly stormwater monitoring benchmarks. The NDPES ISGP criteria include benchmarks for metals across 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. Facilities sampled during the 2013 sampling program are required to monitor for copper and zinc. A subset of facilities is required to monitor for additional parameters. The NPDES ISGP criteria are used for comparison purposes only. Criteria used for water sample comparisons are listed in Attachment 1, Tables 6 and 7.

Solids sample results were compared to SMS criteria[3] for all chemicals with SMS criteria and to Remedial Action Level (RAL) concentrations for the four LDW risk driver chemicals (arsenic, carcinogenic PAHs [cPAHs], total PCBs, and dioxins/furans), 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 total OC (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) (Michelsen and Bragdon-Cook 1993) criteria. The Lowest Apparent Effects Threshold (LAET) and Second Lowest Apparent Effects Threshold (2LAET) criteria are analogous to SMS Sediment Quality Standards (SQS) and Cleanup Screening Levels (CSL), respectively. Criteria used for solids sample comparisons are listed in Attachment 1, Tables 10 and 11.

The LDW Source Control Work Group compares analytical results from solids samples collected from storm drain systems in the LDW basin to the SQS 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).

Carcinogenic PAH values 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.

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

Nondetected values were assessed as half of the sample-specific quantitation limit. Individual cPAH compounds include benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthenes, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3cd)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). PCB congeners and the toxicity and risks of the PCB mixture are assessed using TEFs for 12 individual PCB congeners. Individual PCB congeners are multiplied by the corresponding TEF and summed to obtain the total PCB congener TEQ. Total PCB Aroclor results are the sum of the detected individual Aroclors for a given sample.

SGS 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. 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 Table 3.1.1, total PCB congeners and total PCB homologs include only congeners that met identification criteria by EPA Method 1668B. 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

Fifteen water samples were collected from nine facilities during the 2013 sampling program. All water samples were submitted to Analytical Resources, Inc. (ARI) and SGS Analytical Perspectives (SGS) for analysis. SGS analyzed all water samples for PCB congeners only. ARI

analyzed all water samples for semivolatile organic compounds (SVOCs) including PAHs and phthalates, selected SVOCs by SIM, pesticides, total and dissolved metals (including mercury), pH, specific conductance, alkalinity, anions, TOC, dissolved organic carbon (DOC) and total suspended solids (TSS). Per Ecology's request, two water samples were analyzed for PCB Aroclors. The analytical methods are listed in Table 3.1.

Table 3.1 Analytical Methods for Water Samples

Analyte Group	Analytical Method
PCB Congeners	EPA 1668C
PCB Aroclors[a]	SW8082
SVOCs (including phthalates and PAHs) with dual scan selected SVOCs by SIM	EPA 8270
Pesticides	EPA 8081
Metals and mercury (total and dissolved)	EPA 200.8/7470
pH	SM4500H
Specific conductance	EPA 120.1
Alkalinity	SM2320
Anions	EPA 300/353.2
TOC	SM5310
DOC	SM5310
TSS	SM2540D

[a] Two water samples were analyzed for PCB Aroclors per Ecology's request.
EPA - U.S. Environmental Protection Agency; PCBs - polychlorinated biphenyls; PAHs - polycyclic aromatic hydrocarbons; SVOCs - semivolatile organic compounds; SIM - selected ion monitoring; TOC - total organic carbon; DOC - dissolved organic carbon; TSS - total suspended solids

Additional details regarding analytical quality assurance/quality control (QA/QC) requirements are presented in the project SAP/QAPP (SAIC 2013). Sample analyses conformed to standard EPA and Puget Sound Estuary Program (PSEP) guidance (1997a,b,c) and the project SAP/QAPP (SAIC 2013), 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.

Water quality and chemical analyses for samples collected at individual facilities are presented in each facility's appendix (Appendices A through D, F through H, J, and K) and in Attachment 1, Tables 1 through 8.

3.1.1 PCBs

PCB Congeners

Table 3.1.1 summarizes the PCB congener results for 15 water samples collected during the 2013 sampling program. Results in Table 3.1.2 are presented in picograms per Liter (pg/L) as reported by SGS. Individual sample results are presented in Table 6 (Attachment 1).

Table 3.1.1 Summary of PCB Congeners Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (pg/L)			Range of SDLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Total Monochlorobiphenyl	8 / 15	53%	2.48	201	64.2	0.925 – 3.19
Total Dichlorobiphenyl	13 / 15	87%	12.7	12,300	1,800	8.37 – 12.1
Total Trichlorobiphenyl	14 / 15	93%	47.3	64,000	7,500	6.33
Total Tetrachlorobiphenyl	15 / 15	100%	16.9	68,600	8,200	NA
Total Pentachlorobiphenyl	15 / 15	100%	26.9	55,600	6,500	NA
Total Hexachlorobiphenyl	15 / 15	100%	5.10	54,300	5,700	NA
Total Heptachlorobiphenyl	15 / 15	100%	3.66	35,400	3,320	NA
Total Octachlorobiphenyl	12 / 15	80%	77.5	10,200	1,200	1.9 – 2.55
Total Nonachlorobiphenyl	12 / 15	80%	9.03	1,600	2,100	3.19 – 4.56
Decachlorobiphenyl	5 / 15	33%	4.30 J	146	49.3	1.4 – 4.3
Total PCB Congeners	15 / 15	100%	58.7	302,000 J	33,300	NA
PCB TEQ, nd SDL*0.5	14 / 15	93%	0.0568 J	5.1 J	0.9	0.158

pg/L - picograms per liter; J - estimated concentration; NA - not applicable; nd - non-detect; PCB - polychlorinated biphenyl; SDLs - sample detection limits

SGS reported 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 method; therefore, the result cannot be considered as positive identification for the analyte. 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 Table 3.1.1, total PCBs and total PCB homologs include only congeners that met identification criteria by EPA Method 1668B. 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. On Table 6 (Attachment 1) and in the facility-specific tables, the estimated total PCBs and estimated total PCB homologs, which include congeners that were identified by SGS as EMPC, are also reported.

The total PCB congener results were compared to the WA WQC and NTR WQC (Table 6). Tables 3.1.2 and 3.1.3 present summaries of the number of total PCB congener results for water samples compared to WQC.

Table 3.1.2 Counts of Water Sample Results Compared to the WA Marine WQC for 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	15	0	12	3	0	0	0	0

PCB - polychlorinated biphenyl; WA WQC - Washington State Water Quality Standards, Water Quality Criteria for toxic substances

Table 3.1.3 Counts of Water Sample Results Compared to the NTR WQC for Marine Organisms for 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	15	0	1	14	0	0

PCB - polychlorinated biphenyl; NTR WQC - National Toxics Rule, human health water quality criteria for consumption of organisms only

PCB Aroclors

PCB Aroclors were analyzed in two water samples collected at one industrial facility, Independent Metals. Independent Metals is required to monitor for total PCB Aroclors under the facility's individual NPDES permit. Results for the individual Aroclors and total PCB Aroclors are summarized in Table 3.1.4. Concentrations are reported in micrograms per Liter (µg/L) as reported by ARI. The individual sample results are presented in Table 7 (Attachment 1).

Table 3.1.4 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

µg/L - micrograms per liter; J, JN - estimated concentration; NA - not applicable; ND – not detected; PCB - polychlorinated biphenyl; RLs - reporting limits

The total PCB Aroclors results were compared to the WA WQC and NTR WQC (Table 7). Tables 3.1.5 and 3.1.6 present summaries of the number of total PCB Aroclors results for water samples compared to water quality criteria.

Table 3.1.5 Counts of Water Sample Results Compared to the WA Marine WQC for 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

PCB - polychlorinated biphenyl; WA WQC - Washington State Water Quality Standards, Water Quality Criteria for toxic substances

Table 3.1.6 Counts of Water Sample Results Compared to the NTR WQC for Marine Organisms for 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

PCB - polychlorinated biphenyl; NTR WQC - National Toxics Rule, human health water quality criteria for consumption of organisms only

3.1.2 Metals

All 15 water samples were analyzed for total and dissolved metals, and each metal was 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

Table 3.1.7 summarizes the total metals results for the water samples collected during the 2013 sampling program. Results in Table 3.1.7 are presented in µg/L as reported by ARI. Individual sample results for total metals are presented in Table 7 (Attachment 1).

Table 3.1.7 Summary of Total Metals Results in Water Samples

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Antimony	14 / 15	93%	0.3	6.0	2	0.2
Arsenic	15 / 15	100%	0.7	99	8	NA
Beryllium	2 / 15	13%	0.3	1.9	1.0	0.2 – 0.5
Cadmium	9 / 15	60%	0.1	5.2	0.9	0.1
Chromium	13 / 15	87%	0.9	177	20	0.5

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Copper	15 / 15	100%	2.7	820	70	NA
Lead	15 / 15	100%	0.2	725	60	NA
Mercury	5 / 15	33%	0.0227	0.91 J	0.23	0.02
Nickel	15 / 15	100%	1.5	268	26	NA
Selenium	2 / 15	13%	0.7	0.7	0.7	0.5 – 2.0
Silver	1 / 15	7%	1.0	1.0	1.0	0.2
Thallium	1 / 15	7%	0.3	0.3	0.3	0.2
Zinc	15 / 15	100%	11	2,340 J	300	NA

µg/L - micrograms per liter; J - estimated concentration; NA - not applicable; RL - reporting limit

The results for total metals were compared to the WA WQC and ISGP Benchmarks (Table 7). Water quality criteria for total metals were derived from dissolved criteria and default translator as provided in the WAC, Chapter 173-201A-240. Table 3.1.8 presents a summary of the number of total metals results for water samples compared to WA WQC.

Table 3.1.8 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	15	0	14	0	1	0	0	0
Cadmium	15	0	15	0	0	0	0	0
Copper	15	0	1	3	11	0	0	0
Lead	15	0	9	5	1	0	0	0
Mercury	5	10	1	4	0	10	0	0
Nickel	15	0	10	4	1	0	0	0
Selenium	2	13	2	0	0	13	0	0
Silver	1	14	1	0	0	14	0	0
Zinc	15	0	7	0	8	0	0	0

WA WQC have not been established for antimony, beryllium, chromium, and thallium.
WA WQC - Washington State Water Quality Standards, Water Quality Criteria for toxic substances

Table 3.1.9 presents a summary of the total number of total metal results for water samples compared to ISGP Benchmarks. The majority of facilities are only required to monitor for copper and zinc.

Table 3.1.9 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	15	0	15	0	0	0
Cadmium	9	6	8	1	6	0
Copper	15	0	8	7	0	0

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetect Results	
	Detects	Non-detects	≤Benchmark	>Benchmark	≤Benchmark	>Benchmark
Lead	15	0	14	1	0	0
Mercury	5	10	5	0	10	0
Selenium	2	13	2	0	13	0
Silver	1	14	1	0	14	0
Zinc	15	0	8	7	0	0

ISGP - industrial stormwater general permit

Dissolved Metals

Table 3.1.10 summarizes the dissolved metals results for the water samples collected during the sampling support activities. Results in Table 3.1.10 are presented in µg/L as reported by ARI. Individual sample results for dissolved metals are presented in Table 7 (Attachment 1).

Table 3.1.10 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

µg/L - micrograms per liter; J - estimated concentration; NA - not applicable; ND - not detected; RL - reporting limit

Table 3.1.11 presents a summary of the number of dissolved metals results for water samples compared to WA WQC.

Table 3.1.11 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

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetect Results		
	Detects	Non-detects	≤Chronic	>Chronic, ≤Acute	>Acute	≤Chronic	>Chronic, ≤Acute	>Acute
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.
WA WQC - Washington State Water Quality Standards, Water Quality Criteria for toxic substances;

Individual sample results compared to WA WQC and NTR WQC for dissolved metals in water are presented in Table 7 (Attachment 1). NTR WQC have been published for antimony, mercury, and nickel. Concentrations of these metals 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 were analyzed for SVOCs, including PAHs, phthalates, and phenols. Results were compared to the NTR WQC, when applicable. Table 3.1.12 summarizes SVOC results for the water samples in µg/L as reported by ARI. Individual sample results for SVOCs are presented in Table 7 (Attachment 1).

Table 3.1.12 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	5 / 15	33%	0.012	3.5	0.72	0.01 – 0.05
Acenaphthylene	1 / 15	7%	0.047	0.047	0.047	0.01 – 0.2
Anthracene	5 / 15	33%	0.017	0.81	0.2	0.01 – 0.05
Benzo(a)anthracene	7 / 15	47%	0.017	2.2	0.4	0.01 – 0.05
Benzofluoranthenes	6 / 15	40%	0.046	4.7	0.9	0.02 – 0.1
Benzo(g,h,i)perylene	7 / 15	47%	0.022	1.8	0.3	0.01
Benzo(a)pyrene	6 / 15	40%	0.015	1.9	0.4	0.01 – 0.05
Chrysene	6 / 15	40%	0.067	4.7	0.89	0.01 – 0.05
Dibenzo(a,h)anthracene	1 / 15	7%	0.32	0.32	0.32	0.01 – 0.05
Dibenzofuran	6 / 15	40%	0.011	0.7 J	0.1	0.01 – 0.2
Fluoranthene	12 / 15	80%	0.013	7.2	0.7	0.01
Fluorene	9 / 15	60%	0.01	1.0	0.2	0.01 – 0.05
Indeno(1,2,3-cd)pyrene	6 / 15	40%	0.01	1.2	0.2	0.01 – 0.05
1-Methylnaphthalene	5 / 15	33%	0.01	0.088	0.03	0.01 – 0.2
2-Methylnaphthalene	5 / 15	33%	0.012	0.029	0.019	0.01 – 0.2
Naphthalene	3 / 15	20%	0.024	0.072	0.044	0.01 – 0.77

Chemical	Detection Frequency		Detected Concentrations (µg/L)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Phenanthrene	11 / 15	73%	0.013	1.8	0.23	0.01
Pyrene	12 / 15	80%	0.015	6.6	0.7	0.01
Total cPAHs	7 / 15	47%	0.0088	2.8	0.5	0.0076 – 0.038
Total HPAHs	12 / 15	80%	0.028	31	3	0.02
Total LPAHs	13 / 15	87%	0.013	4.8	0.7	0.01
Phthalates						
Bis(2-ethylhexyl)phthalate	7 / 15	47%	0.6 J	17	7	1.0 – 3.0
Butyl benzyl phthalate	0 / 15	0%	ND	ND	NA	1.0
Di-n-butyl phthalate	2 / 15	13%	0.8 J	1.3	1	1.0
Diethyl phthalate	0 / 15	0%	ND	ND	NA	0.8 – 1.0
Dimethyl phthalate	1 / 15	7%	1.0	1.0	1.0	1.0
Di-n-octyl phthalate	1 / 15	7%	6.7	6.7	6.7	1.0
Phenols [a]						
2-Methylphenol	1 / 15	7%	1.4	1.4	1.4	1.0
4-Methylphenol	3 / 15	20%	1.2 J	4.7	3	2.0
Phenol	2 / 15	13%	0.7 J	5.1	3	1.0
Other SVOCs [a]						
Benzoic Acid	2 / 15	13%	9.9 J	110 J	60	20
Benzyl Alcohol	1 / 15	7 %	2.0 J	2.0 J	2.0	2.0
Aniline	1 / 15	7%	1.7 J	1.7 J	1.7	1.0

[a] Table presents phenols and other SVOCs includes analytes detected in one or more samples only.
µg/L - micrograms per liter; cPAHs - carcinogenic PAHs; HPAHs - high molecular weight PAHs; J - estimated concentration; LPAHs - low molecular weight PAHs; NA - not applicable; ND - not detected; PAHs - polycyclic aromatic hydrocarbons; RL - reporting limit; SVOCs - semivolatile organic compounds

Table 3.1.13 presents a summary of the number of SVOCs results for water samples compared to NTR WQC.

Table 3.1.13. 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	5	10	5	0	10	0
Benzo(a)anthracene	7	8	3	4	7	1
Benzo(a)pyrene	6	9	4	2	8	1
Benzofluoranthenes	6	9	0	6	8	1
Chrysene	6	9	0	6	8	1
Dibenzo(a,h)anthracene	1	14	0	1	12	2
Fluoranthene	12	3	12	0	3	0

Chemical	Sample Count		Count of Detected Concentrations		Count of Nondetected Results	
	Detects	Non-detects	≤NTR WQC	>NTR WQC	≤NTR WQC	>NTR WQC
Fluorene	9	6	9	0	6	0
Indeno(1,2,3-cd)pyrene	6	9	4	2	8	1
Pyrene	12	3	12	0	3	0
Phthalates						
Bis(2-ethylhexyl)phthalate	7	8	4	3	8	0
Di-n-butyl phthalate	2	13	2	0	13	0
Diethyl phthalate	0	15	0	0	15	0
Dimethyl phthalate	1	14	1	0	14	0
Phenols						
Pentachlorophenol	0	15	0	0	0	15
Phenol	2	13	2	0	13	0

PAHs - polycyclic aromatic hydrocarbons; SVOCs - semivolatile organic compounds

In the data tables presented in the appendices, pentachlorophenol results were compared to the WA WQC and the NTR WQC. Pentachlorophenol was not detected; however, the RLs for all samples exceeded the chronic marine WQC and the NTR WQC (Table 7, Attachment 1).

3.1.4 Pesticides

Fifteen water samples were collected and analyzed for pesticides. Pesticides were not detected in any of the 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 Table 7 (Attachment 1).

3.1.5 Conventionals

Water quality conventionals are summarized in Table 3.1.14. The units of pH in water samples collected at the facilities were 6.14 to 9.46. The NPDES ISGP benchmark for pH ranges between 5.0 and 9.0. Individual sample results for conventionals in water samples are presented in Table 8 (Attachment 1).

Table 3.1.14 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 CaCO3)	15 / 15	100%	3	767	105	NA
Bicarbonate (mg/L CaCO3)	15 / 15	100%	3	724	98	NA
Carbonate (mg/L CaCO3)	4 / 15	27%	1.2	45	28.2	1
Chloride (mg/L)	14 / 15	93%	0.9	316	60.4	5
Conductivity (µmhos/cm)	15 / 15	100%	17.1	1,220	397	NA
Dissolved Organic Carbon (mg/L)	13 / 15	87%	2.05	73.9 J	14.9	1.5 – 1.5

Chemical	Detection Frequency		Detected Concentrations			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Hydroxide (mg/L CaCO3)	0 / 15	0%	ND	ND	NA	1
N-Nitrate (mg-N/L)	9 / 15	60%	0.019	1.2	0.37	0.1
pH (std units)	15 / 15	100%	6.14	9.46	7.45	NA
Sulfate (mg/L)	14 / 15	93%	0.6	234	48.2	5
Total Organic Carbon (mg/L)	15 / 15	100%	2.21	107	24.2	NA
Total Suspended Solids (mg/L)	13 / 15	87%	2.2	2,120	238	1.1 – 2.1

µmhos/cm - micromhos per centimeter; CaCO3 - calcium carbonate; mg/L - milligrams per Liter; mg-N/L - milligrams per Liter as nitrogen; NA - not applicable; ND - not detected; RL - reporting limit; std units - standard units

3.2 Solids Samples

Twenty-seven solids samples were collected from 25 sampling locations. All solids samples were submitted to ARI for analysis. When sufficient sample volume was available, solids samples were analyzed for PCB Aroclors, SVOCs including PAHs and phthalates, selected SVOCs by 8270-SIM, pesticides, diesel- and motor oil-range hydrocarbons, gasoline-range hydrocarbons, volatile organic compounds (VOCs), metals (including mercury), TOC, total solids, and grain size. A subset of samples was analyzed by ARI for dioxin/furan congeners.

The analytical methods are listed in Table 3.2. Additional details regarding analytical quality assurance/quality control (QA/QC) requirements are presented in the project SAP/QAPP (SAIC 2013). Sample analyses conformed to standard EPA and PSEP guidance (1997a,b,c) and the project SAP/QAPP (SAIC 2013), with the exception of SAP/QAPP deviations described in Section 2.3. Analytical results for solids samples are presented in Attachment 1, Tables 10 and 11 and in each facility-specific appendix (Appendices A through K).

Table 3.2 Analytical Methods for Solids

Analyte Group	Analytical Method
PCB Aroclors	EPA 8082
SVOCs (including phthalates and PAHs) with dual scan selected SVOCs by SIM	EPA 8270 and EPA 8270-SIM
Pesticides	EPA 8081
Dioxins/Furans	EPA 1613B
TPH-Diesel and Motor Oil	NWTPH-Dx
TPH-Gasoline	NWTPH-G
VOCs	EPA 8260
Metals	EPA 6010/200.8
Mercury	EPA 7471
TOC	Plumb (1981)
Total solids	SM2540B

Analyte Group	Analytical Method
Particle Size Distribution	Sedigraph

EPA - U.S. Environmental Protection Agency; PAHs - polycyclic aromatic hydrocarbons; PCBs - polychlorinated biphenyls; SIM - selected ion monitoring; SVOCs - semivolatile organic compounds; TOC - total organic carbon; TPH - total petroleum hydrocarbons

3.2.1 PCB Aroclors

Table 3.2.1 summarizes the PCB Aroclor results for the solids samples. Total PCBs were presented in micrograms per kilogram DW (µg/kg DW) and detected in all 27 samples. The SQS and CSL criteria are in units normalized to organic carbon content (mg/kg OC). Eight of the 27 samples contained TOC concentrations within the 0.5% to 4.0% criteria; therefore, results were OC-normalized for these samples.

Results for the individual Aroclors and total PCBs (in both µg/kg DW and mg/kg OC) are summarized in Table 3.2.1.

Table 3.2.1 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	0 / 27	0%	ND	ND	NA	3.7 – 480
Aroclor 1221	0 / 27	0%	ND	ND	NA	3.7 – 480
Aroclor 1232	0 / 27	0%	ND	ND	NA	3.7 – 480
Aroclor 1242	3 / 27	11%	530	4,300	2,600	3.7 – 480
Aroclor 1248	13 / 27	48%	10	20,000	2,000	3.8 – 8,000
Aroclor 1254	26 / 27	96%	6.5	120,000	5,600	20
Aroclor 1260	25 / 27	93%	6.5	26,000	1,300	140 – 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	27 / 27	100%	16	150,000	8,100	NA
Total PCBs (mg/kg OC)[a]	8 / 27	30%	0.49	200	28	NA

[a] 8 of the 27 samples contained TOC concentrations within the 0.5% to 4.0% criteria for OC-normalization.
µg/kg - micrograms per kilogram; DW - dry weight; mg/kg - milligrams per kilogram NA - not applicable; ND - not detected; OC - organic carbon normalized; PCB - polychlorinated biphenyl; RLs - reporting limits

Table 3.2.2 presents a summary of the number of total PCBs results for solids samples compared to SMS criteria.

Table 3.2.2 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	≤SQS/ LAET	>SQS/LAET, ≤CSL/2LAET	>CSL/ 2LAET	≤SQS/ LAET	>SQS/LAET, ≤CSL/2LAET	>CSL/ 2LAET
Total PCBs	27	0	16	5	6	0	0	0

2LAET - Second Lowest Apparent Effects Threshold; CSL - Cleanup Screening Level; LAET - Lowest Apparent Effects Threshold; mg/kg - milligrams per kilogram; OC - organic carbon normalized; PCB - polychlorinated biphenyl; SMS - Sediment Management Standards; SQS - Sediment Quality Standards

PCBs were detected in samples collected at all sampling locations. In addition to the SQS/LAET and CSL/2LAET exceedances listed above, the dry weight total PCB concentrations in 10 of the 27 samples exceeded the LDW RAL for total PCBs in sediment, 240 µg/kg DW (EPA 2014). Results for individual samples are presented in Tables 10 and 11 (Attachment 1).

3.2.2 Metals

Samples from all 27 sampling locations were analyzed for metals, and each metal was detected in at least one sample. Table 3.2.3 summarizes the metals results in mg/kg DW as reported by ARI.

Table 3.2.3 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	7 / 27	30%	0.4	11.5	3	0.2 – 0.5
Arsenic	27 / 27	100%	2.4	41	14	NA
Beryllium	9 / 27	33%	0.1	1.4	0.4	0.1 – 1.0
Cadmium	27 / 27	100%	0.1	36	5.2	NA
Chromium	27 / 27	100%	9.3	233	68	NA
Copper	27 / 27	100%	13.5	1,700	270	NA
Lead	27 / 27	100%	8.4	2,000	300	NA
Mercury	22 / 27	81%	0.04	7.3	1.2	0.02 – 0.06
Nickel	27 / 27	100%	8.6	235	59	NA
Selenium	1 / 27	4%	1.0	1.0	1.0	0.6 – 2.0
Silver	13 / 27	48%	0.3	6.1	1.7	0.2 – 0.5
Thallium	1 / 27	4%	0.6	0.6	0.06	0.2 – 0.9
Zinc	27 / 27	100%	32	15,700	2,200	NA

DW - dry weight; J - estimated concentration; mg/kg - milligrams per kilogram; NA - not applicable; RL - reporting limit

Table 3.2.4 presents a summary of solids metals results compared to SMS criteria.

Table 3.2.4 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	≤SQS	>SQS, ≤CSL	>CSL	≤SQS	>SQS, ≤CSL	>CSL
Arsenic	27	0	27	0	0	0	0	0
Cadmium	27	0	21	1	5	0	0	0
Chromium	27	0	27	0	0	0	0	0
Copper	27	0	23	0	4	0	0	0
Lead	27	0	23	0	4	0	0	0
Mercury	22	5	15	2	5	5	0	0

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetect Results		
	Detects	Non-detects	≤SQS	>SQS, ≤CSL	>CSL	≤SQS	>SQS, ≤CSL	>CSL
Silver	13	14	13	0	0	14	0	0
Zinc	27	0	6	8	13	0	0	0

CSL - Cleanup Screening Level; DW - dry weight; SMS - Washington State Sediment Management Standards; SQS - Sediment Quality Standard

Arsenic was detected at all sampling locations; however, none of these detected concentrations exceeded the LDW RAL for arsenic in sediment, 57 mg/kg DW (EPA 2014), which is equivalent to the SQS. Individual sample results are presented in Table 10 (Attachment 1).

3.2.3 SVOCs

Samples from all 27 sampling locations were analyzed for SVOCs. Table 3.2.5 summarizes SVOC solids results in µg/kg DW as reported by ARI.

Table 3.2.5 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	14 / 27	52%	11 J	2,400	390	19 – 500
Acenaphthylene	7 / 27	26%	28	430	170	19 – 530
Anthracene	20 / 27	74%	18 J	25,000	1,500	19 – 500
Benzo(a)anthracene	27 / 27	100%	10 J	17,000	1,200	NA
Benzofluoranthenes	27 / 27	100%	39	25,000	2,100	NA
Benzo(g,h,i)perylene	26 / 27	96%	12 J	2,200	550	56
Benzo(a)pyrene	26 / 27	96%	16 J	6,800	770	420
Chrysene	27 / 27	100%	20	33,000	2,200	NA
Dibenzo(a,h)anthracene	27 / 27	100%	4.7	1,100	200	NA
Dibenzofuran	18 / 27	67%	13 J	5,000	500	19 – 500
Fluoranthene	27 / 27	100%	30	120,000	6,000	NA
Fluorene	18 / 27	67%	45	16,000	1,300	19 – 500
Indeno(1,2,3-cd)pyrene	24 / 27	89%	12 J	2,500	440	56 – 420
1-Methylnaphthalene	13 / 27	48%	17 J	7,600	720	19 – 500
2-Methylnaphthalene	18 / 27	67%	22 J	12,000	910	19 – 420
Naphthalene	22 / 27	89%	12	6,000	500	1.2 – 500
Phenanthrene	27 / 27	100%	10 J	110,000	5,600	NA
Pyrene	27 / 27	100%	32	81,000	4,900	NA
Total cPAHs	27 / 27	100%	23 J	12,000	1,200	NA
Total HPAHs	27 / 27	100%	180 J	290,000	19,000	NA
Total LPAHs	27 / 27	100%	10 J	150,000	8,000	NA
Phthalates						
Bis(2-ethylhexyl)phthalate	27 / 27	100%	34	130,000	18,000	NA

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Butyl benzyl phthalate	26 / 27	96%	7.3 J	12,000	1,400	4.7
Dibutyl phthalate	17 / 27	63%	13 J	6,200	800	19 – 420
Diethyl phthalate	3 / 27	11%	11 J	120 J	49	4.7 – 190
Dimethyl phthalate	19 / 27	70%	4.3 J	5,700	450	4.7 – 16
Di-n-octyl phthalate	16 / 27	59%	23	4,200 JN	730	19 – 420
Phenols						
2,4,5-Trichlorophenol	0 / 27	0%	ND	ND	NA	94 – 2,600
2,4,6-Trichlorophenol	0 / 27	0%	ND	ND	NA	94 – 2,600
2,4-Dichlorophenol	0 / 27	0%	ND	ND	NA	190 – 5,300
2,4-Dimethylphenol	10 / 27	37%	3.8 J	150	66	19 – 530
2,4-Dinitrophenol	0 / 27	0%	ND	ND	NA	590 – 23,000
2-Chlorophenol	0 / 27	0%	ND	ND	NA	19 – 530
2-Nitrophenol	0 / 27	0%	ND	ND	NA	59 – 2,600
4,6-Dinitro-2-Methylphenol	0 / 27	0%	ND	ND	NA	190 – 5,300
4-Chloro-3-Methylphenol	0 / 27	0%	ND	ND	NA	94 – 2,600
2-Methylphenol	10 / 27	37%	7.0 J	530 J	120	4.7 – 120
4-Methylphenol	18 / 27	67%	18 J	15,000	1,800	19 – 100
4-Nitrophenol	0 / 27	0%	ND	ND	NA	94 – 2,600
Pentachlorophenol	4 / 27	15%	41 J	97	61	47 – 1,300
Phenol	19 / 27	70%	17 J	3,000	600	19 – 220
Other SVOCs						
Benzoic Acid	5 / 27	19%	120	6,200	1,800	380 – 11,000
Benzyl Alcohol	10 / 27	37%	14 J	760	200	19 – 530
4-Bromophenyl phenyl ether	0 / 27	0%	ND	ND	NA	19 – 530
Carbazole	18 / 27	67%	24	21,000	1,400	19 – 530
4-Chloroaniline	0 / 27	0%	ND	ND	NA	250 – 7,200
bis(2-Chloroethoxy)Methane	0 / 27	0%	ND	ND	NA	19 – 530
bis(2-Chloroethyl)Ether	0 / 27	0%	ND	ND	NA	19 – 530
4-Chlorophenyl-phenylether	0 / 27	0%	ND	ND	NA	19 – 530
1,2-Dichlorobenzene	1 / 27	4%	3.8 J	3.8 J	3.8 J	0.6 – 130
1,3-Dichlorobenzene	0 / 27	0%	ND	ND	NA	0.6 – 130
1,4-Dichlorobenzene	3 / 27	11%	0.9 J	44	10	0.6 – 130
3,3'-Dichlorobenzidine	0 / 27	0%	ND	ND	NA	140 – 4,000
2,4-Dinitrotoluene	0 / 27	0%	ND	ND	NA	94 – 2,600
2,6-Dinitrotoluene	0 / 27	0%	ND	ND	NA	94 – 2,600
Hexachlorobenzene	0 / 27	0%	ND	ND	NA	4.7 – 61
Hexachlorobutadiene	0 / 27	0%	ND	ND	NA	2.7 – 36
Hexachlorocyclopentadiene	0 / 27	0%	ND	ND	NA	290 – 11,000
Hexachloroethane	0 / 27	0%	ND	ND	NA	19 – 530
Isophorone	1 / 27	4%	75	75	75	19 – 530
2-Nitroaniline	0 / 27	0%	ND	ND	NA	94 – 2,600

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
3-Nitroaniline	0 / 27	0%	ND	ND	NA	94 – 2,600
4-Nitroaniline	0 / 27	0%	ND	ND	NA	94 – 2,600
Nitrobenzene	0 / 27	0%	ND	ND	NA	19 – 530
N-Nitrosodiphenylamine	22 / 27	82%	3.5 J	450 J	110	19 – 530
N-Nitrosodi-n-propylamine	0 / 27	0%	ND	ND	NA	11 - 320
1,2,4-Trichlorobenzene	1 / 27	4%	10 J	10 J	10 J	2.7 – 130
Aniline	0 / 27	0%	ND	ND	NA	510 – 14,000
N-Nitrosodimethylamine	0 / 27	0%	ND	ND	NA	23 – 660

µg/kg - micrograms per kilogram; cPAHs - carcinogenic PAHs; DW - dry weight; HPAHs - high molecular weight PAHs; J - estimated concentration; LPAHs - low molecular weight PAHs; NA - not applicable; ND - not detected; PAHs - polycyclic aromatic hydrocarbons; RL - reporting limit; SVOCs - semivolatile organic compounds

Table 3.2.6 summarizes OC-normalized SVOC results for the eight solids samples with TOC concentrations ≥0.5 and ≤ 4.0%. Only chemicals with OC-normalized SMS criteria are presented in Table 3.2.6.

Table 3.2.6 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	4 / 8	50%	0.35 J	2.1	1.1	1.4 – 4.4
Acenaphthylene	1 / 8	13%	0.88	0.88	0.88	0.98 – 4.4
Anthracene	5 / 8	63%	0.63	6.2	3.1	1.4 – 4.4
Benzo(a)anthracene	8 / 8	100%	2.0	31 J	8.7	NA
Benzofluoranthene	8 / 8	100%	5.7	80 J	20	NA
Benzo(g,h,i)perylene	7 / 8	88%	2.4	31 J	9.0	2.5
Benzo(a)pyrene	8 / 8	100%	1.4	40 J	10	NA
Chrysene	8 / 8	100%	6	46 J	14	NA
Dibenzo(a,h)anthracene	8 / 8	100%	0.38	11	3.0	NA
Dibenzofuran	5 / 8	63%	0.41 J	2.8	1.9	1.7 – 4.4
Fluoranthene	8 / 8	100%	6.9	80	20	NA
Fluorene	4 / 8	50%	1.9	3.9	2.8	0.63 – 4.4
Indeno(1,2,3-cd)pyrene	6 / 8	75%	1.1 J	30	8	2.5 – 4.4
2-Methylnaphthalene	5 / 8	63%	0.68 J	18	7.7	1.7 – 4.4
Naphthalene	7 / 8	88%	0.68 J	8.3	3.4	0.14
Phenanthrene	8 / 8	100%	4.0	43 J	15	NA
Pyrene	8 / 8	100%	7.3	71	23	NA
Total HPAHs	8 / 8	100%	45	420 J	110	NA
Total LPAHs	8 / 8	100%	6.2	51	22	NA
Phthalates						
Bis(2-ethylhexyl)phthalate	8 / 8	100%	2.5	140	60	NA

Chemical	Detection Frequency		Detected Concentrations (mg/kg OC)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Butyl benzyl phthalate	8 / 8	100%	0.23 J	37 J	8.4	NA
Di-n-butyl phthalate	5 / 8	63%	0.64 J	4.4	2.3	1.2 – 1.6
Diethyl phthalate	1 / 8	13%	1.2	1.2	1.2	0.19 – 0.88
Dimethyl phthalate	4 / 8	50%	0.14 J	0.5	0.4	0.15 – 1.1
Di-n-octyl phthalate	2 / 8	25%	0.73	3.8	2.3	0.98 – 4.4
Other SVOCs						
1,2,4-Trichlorobenzene	0 / 8	0%	ND	ND	NA	0.12 – 0.43
1,2-Dichlorobenzene	0 / 8	0%	ND	ND	NA	0.025 – 0.43
1,4-Dichlorobenzene	1 / 8	13%	0.19 J	0.19 J	0.19 J	0.025 – 0.43
Hexachlorobenzene	0 / 8	0%	ND	ND	NA	0.15 – 0.74
Hexachlorobutadiene	0 / 8	0%	ND	ND	NA	0.12 – 0.43
N-Nitrosodiphenylamine	5 / 8	63%	0.11	3.5	1.0	0.62 – 1.6

HPAHs - high molecular weight PAHs; J - estimated concentration; LPAHs - low molecular weight PAHs; mg/kg - milligrams per kilogram; NA - not applicable; ND - not detected; OC - organic carbon; PAHs - polycyclic aromatic hydrocarbons; RL - reporting limit; SVOCs - semivolatile organic compounds

The SMS criteria are presented in Attachment 1, Tables 10 and Table 11 (OC-normalized SQS/CSL criteria). Table 3.2.7 presents a summary of the number of solids results for SVOC compounds compared to SMS criteria. SVOCs were compared to the LAET/2LAET and SQS/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 SQS/CSL for PAHs, phthalates, and the other SVOCs (as listed in Table 3.2.6) using OC-normalized concentrations.

Table 3.2.7 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	≤SQS/ LAET	>SQS/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET	≤SQS/ LAET	>SQS/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET
PAHs								
Acenaphthene	14	13	12	0	2	13	0	0
Acenaphthylene	7	20	7	0	0	20	0	0
Anthracene	20	7	19	0	1	7	0	0
Benzo(a)anthracene	27	0	24	1	2	0	0	0
Benzofluoranthene	27	0	25	0	2	0	0	0
Benzo(g,h,i)perylene	26	1	19	0	7	1	0	0
Benzo(a)pyrene	26	1	24	1	1	1	0	0
Chrysene	27	0	18	7	2	0	0	0
Dibenzo(a,h)anthracene	27	0	20	5	2	0	0	0
Dibenzofuran	18	9	16	0	2	9	0	0
Fluoranthene	27	0	15	4	8	0	0	0
Fluorene	18	9	14	2	2	9	0	0

Chemical	Sample Count		Count of Detected Concentrations			Count of Nondetected Results		
	Detects	Non-detects	≤SQS/ LAET	>SQS/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET	≤SQS/ LAET	>SQS/ LAET, ≤CSL/ 2LAET	>CSL/ 2LAET
Indeno(1,2,3-cd)pyrene	24	3	20	0	4	3	0	0
2-Methylnaphthalene	18	9	16	1	1	9	0	0
Naphthalene	22	5	21	0	1	5	0	0
Phenanthrene	27	0	18	7	2	0	0	0
Pyrene	27	0	20	1	6	0	0	0
Total HPAHs	27	0	19	2	6	0	0	0
Total LPAHs	27	0	23	2	2	0	0	0
Total cPAHs[a]	27	0	18	NA	9	0	0	0
Phthalates								
Bis(2-ethylhexyl)phthalate	27	0	4	4	19	0	0	0
Butyl benzyl phthalate	26	1	5	9	12	1	0	0
Di-n-butyl phthalate	17	10	15	1	1	10	0	0
Diethyl phthalate	3	24	3	0	0	24	0	0
Dimethyl phthalate	19	8	11	3	5	8	0	0
Di-n-octyl phthalate	16	11	16	0	0	11	0	0
Phenols								
2,4-Dimethylphenol	10	17	3	NA	7	4	NA	13
2-Methylphenol	10	17	5	NA	5	14	NA	3
4-Methylphenol	18	9	13	NA	5	9	NA	0
Pentachlorophenol	4	23	4	0	0	17	1	5
Phenol	19	8	11	5	3	8	0	0
Other SVOCs								
1,2,4-Trichlorobenzene	1	26	1	0	0	22	1	3
1,2-Dichlorobenzene	1	26	1	0	0	22	1	3
1,4-Dichlorobenzene	4	23	4	0	0	21	0	2
Benzoic Acid[b]	5	19	1	0	4	3	0	16
Benzyl Alcohol[c]	10	15	4	1	5	6	4	5
Hexachlorobenzene	0	27	0	0	0	19	8	0
Hexachlorobutadiene	0	27	0	0	0	18	9	0
N-Nitrosodiphenylamine	22	5	7	1	14	4	0	1

[a] Total cPAHs are compared to the LDW RAL (see Table 10, Attachment 1).
[b] Benzoic acid results were rejected for three samples.
[c] Benzyl alcohol results were rejected for two samples.
2LAET - Second Lowest Apparent Effects Threshold; CSL - Cleanup Screening Level; HPAHs - high molecular weight PAHs; LAET - Lowest Apparent Effects Threshold; LPAHs - low molecular weight PAHs; NA - not applicable; PAHs - polycyclic aromatic hydrocarbons; SVOCs - semivolatile organic compounds; SMS - Sediment Management Standards; SQS - Sediment Quality Standards

Total cPAHs were detected at all sampling locations. Total cPAHs in nine solids samples were detected at concentrations that 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 Attachment 1, Table 10.

3.2.4 Pesticides

Twenty seven solids samples were collected and analyzed for pesticides. Pesticides were not detected in any of the solids samples collected during the 2013 sampling program. Pesticides results for all samples are presented in in Table 10 (Attachment 1).

3.2.5 Dioxins/Furans

Solids samples collected from 16 sampling locations were analyzed for dioxins/furans. At least one solids sample from each facility was analyzed for dioxins/furans. Dioxin/furan results are summarized in nanograms per kilogram (ng/kg) as reported by ARI in Table 3.2.8. All of the 17 individual dioxin/furan congeners were detected in one or more solids samples (Table 10, Attachment 1).

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.

Table 3.2.8 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	6 / 16	38%	0.877 J	16.5	4.02	0.214 – 0.944
1,2,3,7,8-PeCDD	15 / 16	94%	0.277 J	25.6	5.41	0.3
1,2,3,4,7,8-HxCDD	13 / 16	81%	1.01	25.9	7.29	0.101 – 0.527
1,2,3,6,7,8-HxCDD	16 / 16	100%	0.51 J	124	21.2	NA
1,2,3,7,8,9-HxCDD	16 / 16	100%	0.366 J	63.8	13.1	NA
1,2,3,4,6,7,8-HpCDD	16 / 16	100%	4.64	2,000	459	NA
OCDD	16 / 16	100%	37.9	18,100	4,350	NA
2,3,7,8-TCDF	12 / 16	75%	0.514 J	36.1	8.48	0.206 – 0.526
1,2,3,7,8-PeCDF	12 / 16	75%	0.353 J	23.5	5.28	0.245 – 0.54
2,3,4,7,8-PeCDF	11 / 16	69%	0.612 J	41.3	8.99	0.235 – 2.2
1,2,3,4,7,8-HxCDF	13 / 16	81%	0.621 J	53.5	12.7	0.518 – 1.01
1,2,3,6,7,8-HxCDF	16 / 16	100%	0.324 J	40	7.43	NA
1,2,3,7,8,9-HxCDF	15 / 16	94%	0.257 J	15.3	3.04	0.233
2,3,4,6,7,8-HxCDF	16 / 16	100%	0.237 J	52.7	10.2	NA
1,2,3,4,6,7,8-HpCDF	16 / 16	100%	1.37	649	113	NA
1,2,3,4,7,8,9-HpCDF	13 / 16	81%	0.774 J	41.4	9.70	0.227 – 0.455
OCDF	15 / 16	94%	2.95	1,590	343	8.71
Dioxin/Furan TEQ, nd	16 / 16	100%	1.02 J	126	23.8	NA

Chemical	Detection Frequency		Detected Concentrations (ng/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
SDL*0.5 (ng-TEQ/kg)						
Total TCDD	16 / 16	100%	1.82 J	129	21.0	NA
Total TCDF	16 / 16	100%	2.32 J	555 J	99.3	NA
Total PeCDD	16 / 16	100%	2.73 J	215	38.9	NA
Total PeCDF	16 / 16	100%	5.37 J	684 J	121	NA
Total HxCDD	16 / 16	100%	5.32 J	923	182	NA
Total HxCDF	16 / 16	100%	4.03 J	1,070	182	NA
Total HpCDD	16 / 16	100%	10.6	4,080	1,080	NA
Total HpCDF	16 / 16	100%	4.25 J	2,150 J	347	NA

DW - dry weight; HpCDD - heptachlorodibenzo-*p*-dioxin; HpCDF - heptachlorodibenzofuran; HxCDD - hexachlorodibenzo-*p*-dioxin; HxCDF - hexachlorodibenzofuran; NA - not applicable; nd - nondetect; ng/kg - nanograms per kilogram; ng-TEQ/kg - nanograms toxic equivalency per kilogram; OCDD - octachlorodibenzo-*p*-dioxin; OCDF - octachlorodibenzofuran; PeCDD - pentachlorodibenzo-*p*-dioxin; PeCDF - pentachlorodibenzofuran; RL - reporting limit; SDL - sample detection limit; TCDD - tetrachlorodibenzo-*p*-dioxin; TCDF - tetrachlorodibenzofuran; TEQ - toxic equivalency

Dioxins/furans were detected at all sampling locations. Dioxins/furans in four solids samples were detected at concentrations that exceeded the RAL concentration for dioxins/furans in sediment, 25 ng TEQ/kg DW (EPA 2014). Individual sample results compared to the RAL for dioxins/furans in sediment are presented in Attachment 1, Table 10.

3.2.6 Petroleum Hydrocarbons

Samples from 19 locations at nine facilities were analyzed for gasoline-range hydrocarbons. 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. Table 3.2.9 summarizes petroleum hydrocarbon solids results. Results in Table 3.2.9 are presented in mg/kg DW as reported by ARI.

Table 3.2.9 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	2 / 19	11%	30	57	44	4.3 - 35
Diesel-Range Hydrocarbons	22 / 22	100%	53	28,000	4,400	NA
Motor Oil-Range Hydrocarbons	22 / 22	100%	110	56,000	12,000	NA

DW - dry weight; mg/kg - milligrams per kilogram; NA - not applicable; RL - reporting limit

No regulatory criteria have been established for petroleum hydrocarbons in sediment or solids samples. Table 3.2.10 presents a summary of the number of solids results for petroleum compared to the MTCA Method A soil cleanup level.

Table 3.2.10 Counts of Solids Sample Results Compared to MTCA Method A Cleanup Levels for Soil for Petroleum Hydrocarbons

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	2	17	2	0	17	0
Diesel-Range Hydrocarbons	22	0	11	11	NA	NA
Motor Oil-Range Hydrocarbons	22	0	3	19	NA	NA

MTCA - Model Toxics Control Act; NA - not applicable

Individual sample results compared to the MTCA Method A soil cleanup levels for petroleum hydrocarbons are presented in Attachment 1, Table 10.

3.2.7 Volatile Organic Compounds

Solids samples collected from 19 sampling locations at 9 facilities were analyzed for VOCs. Table 3.2.11 summarizes VOC solids results in µg/kg DW as reported by ARI. VOCs listed in Table 3.2.12 were detected in one or more samples. Individual sample results for all VOCs are presented in Attachment 1, Table 10. No regulatory criteria have been established for VOCs in sediment or solids samples.

Table 3.2.11 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	
1,2,4-Trimethylbenzene	11 / 19	58%	1.1 J	44	18	0.7 – 2,800
1,3,5-Trimethylbenzene	11 / 19	58%	0.6 J	25 J	9	0.7 – 2,800
2-Hexanone	2 / 19	11%	10	12	11	2.7 – 14,000
Acetone	9 / 19	47%	67 J	940	260	3.7 – 14,000
Benzene	12 / 19	63%	0.5 J	7.2	2	0.6 – 2,800
Bromomethane	2 / 19	11%	0.6 J	0.8 J	0.7	0.6 – 5,600
Carbon Disulfide	17 / 19	89%	1.4	100 J	20	180 – 2,800
Chloroform	4 / 19	21%	0.9 J	4.9	3	0.6 – 2,800
cis-1,2-Dichloroethene	1 / 19	5%	0.5 J	0.5 J	0.5 J	0.6 – 2,800
Ethylbenzene	11 / 19	58%	0.7	65	9	0.7 – 2,800
Isopropylbenzene	9 / 19	47%	0.4	33	5	0.7 – 2,800
m,p-Xylene	12 / 19	63%	0.6 J	24	9	0.8 – 2,800
2-Butanone	15 / 19	79%	8.4	380	80	4.7 – 14,000
Iodomethane	3 / 19	16%	0.7 J	1.0 J	0.8	0.6 – 2,800
4-Methyl-2-Pentanone	13 / 19	68%	5.6	280	70	3.9 – 14,000
Methylene Chloride	2 / 19	11%	2	7	4.5	1.2 – 5,600
n-Propylbenzene	8 / 19	42%	0.4 J	17 J	4	0.7 – 2,800
o-Xylene	11 / 19	58%	1.5	15	7.7	0.8 – 2,800
4-Isopropyltoluene	9 / 19	47%	0.4 J	8.7 J	3	0.7 – 2,800
sec-Butylbenzene	8 / 19	42%	0.8	8.7	4	0.7 – 2,800
Styrene	5 / 19	26%	0.4 J	11	5	0.6 – 2,800

Chemical	Detection Frequency		Detected Concentrations (µg/kg DW)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Tetrachloroethene	2 / 19	11%	0.5 J	1.7	1	0.6 – 2,800
Toluene	15 / 19	79%	0.5 J	12,000	1,000	0.8 – 1.7
Total Xylenes	12 / 19	63%	2.1 J	39	20	0.8 – 2,800
Trichloroethene	1 / 19	5%	0.5 J	0.5 J	0.5 J	0.6 – 2,800
Trichlorofluoromethane	11 / 19	58%	0.3 J	1,900 J	200	0.7 – 2.1

Table presents detected VOCs only.
µg/kg - micrograms per kilogram; DW - dry weight; RL - reporting limit

3.2.8 Grain Size and Conventionals

Grains size, TOC, and total solids results for 26 samples are summarized in Table 3.2.12. There was insufficient sample volume to perform grain size analysis on the sample LF-LS-004 collected at Lafarge Cement. Individual sample results for grain size and conventionals are presented in Attachment 1, Table 10.

Table 3.2.12 Summary of Grain Size, TOC, and Total Solids Results in Solids

Chemical	Detection Frequency		Detected Concentrations (percent)			RL or Range of RLs for Nondetects
	Ratio	%	Minimum	Maximum	Mean	
Grain size (% DW)						
> 10 Phi Clay	26 / 26	100%	0.2	23.8	5	NA
8-9 Phi Clay	25 / 26	96%	0.1	12.6	3	0.1
9-10 Phi Clay	24 / 26	92%	0.1	12.7	2	0.1
Very Fine Silt	26 / 26	100%	0.1	20.6	4	NA
Fine Silt	26 / 26	100%	0.2	32.9	8	NA
Medium Silt	26 / 26	100%	0.2	40.6	10	NA
Coarse Silt	26 / 26	100%	0.1	14.3	3	NA
Total Fines	26 / 26	100%	1.0	94.2	38	NA
Very Fine Sand	26 / 26	100%	0.8	13.6	7	NA
Fine Sand	26 / 26	100%	1.5	29.8	10.2	NA
Medium Sand	26 / 26	100%	1.1	49.3	15	NA
Coarse Sand	26 / 26	100%	0.6	36.6	10	NA
Very Coarse Sand	26 / 26	100%	0.6	25.9	10	NA
Gravel	26 / 26	100%	0.2	40.9	8	NA
Conventionals						
TOC (% DW)	27 / 27	100%	0.495	19.6	7	NA
Total Solids (% WW)	27 / 27	100%	25.08	84.6	58	NA

DW - dry weight; NA - not applicable; RL - reporting limit; TOC - total organic carbon; WW - wet weight

4.0 Quality Assurance/Quality Control

Analyses were conducted following the QA/QC requirements specified in the project SAP/QAPP (SAIC 2013). The QA/QC procedures ensure that the results of the investigation are defensible and usable for their intended purpose.

4.1.1 Field Duplicate Samples

Field duplicate samples were collected at a rate of one per 20 normal samples collected for analysis. One field duplicate was collected for water samples; sample LF-FD-001 collected at Lafarge Cement. Two field duplicate samples were collected for solids; sample NS-FD-001 collected at Northland Services and sample AM-FD-01 collected at Alaska Marine Lines. 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 in each facility's appendix (Appendices D, I and J), Tables 6 through 8 and Table 10 (Attachment 1).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 2. The results of the data validation are summarized below:

- One result for 2-butanone, 1,3,5-trimethylamine, 1,2,4-trimethylbenzene, fluoranthene, pyrene, butyl benzyl phthalate, and chrysene exceeded the laboratory relative percent difference (RPD) control limit of 50% for results that are greater than five times the reporting limit. One result for TSS, silt, and fine silt had RPD values that were greater than the control limit.
- One result for lead, acetone, 2-butanone, carbon disulfide, 4-methyl-2-pentanone, m,p-xylenes, o-xylenes, sec-butylbenzene, 2-methylphenol, 2-methylnaphthalene, fluorene, di-n-butyl phthalate, 4-methyphenol, acenaphthalene, phenanthrene, benz(a)anthracene, naphthalene, dibenzofuran, anthracene, and 1-methylnapthalene had results that were less than five times the reporting limit, but had difference values that were greater than two times the reporting limit.
- The set of field duplicates, AM-VT-INF-20130612-S & AM-FD-01-20130612-S, was submitted for PCB Aroclor analysis. The parent sample was analyzed at 1x and the duplicate was analyzed at a 5x dilution. The results for Aroclors 1248, 1254, and 1260 fell outside of the acceptance criteria.

No target analytes were detected in either field duplicate sample analyzed for SVOCs, PAHs, or pesticides in water. No target analytes were detected in either field duplicate sample analyzed for gasoline range, diesel range, and motor oil organics, or pesticides in solids. All precision criteria were met for dioxins/furans analyzed in solids and PCB congeners analyzed in water.

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.

4.1.2 Rinse Blanks

Two solids sampling equipment rinse blank samples and one water sampling equipment rinse blank sample were collected to measure the effectiveness of the decontamination procedures for the sampling equipment. The rinse blank samples consist of reagent grade water provided by ARI or SGS rinsed across sample collection and processing equipment. Rinse blank samples for solids equipment were analyzed for SVOCs, PCBs, and metals. 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 ten 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 presented in Tables 12 and 13 (Attachment 1) and discussed in the data validation report (Attachment 2). The results of the data validation are summarized below:

- 1 result for diethylphthalate and 1-methylnaphthalene in water were qualified as not detected.
- 2 results for 2-methylnaphthalene in water were qualified as not detected.
- 3 results for naphthalene in water were qualified as not detected.

No target analytes were detected in the rinse blank samples submitted for PCB Aroclors and metals.

4.1.3 Data Validation

All chemical results gathered during this investigation were independently validated by EcoChem, Inc. of Seattle, WA. A summary-level, EPA Stage 2B data validation was performed on all chemistry results; a full-level, EPA Stage 4 data validation was performed on the dioxin/furan results. A compliance-level screening (EPA Stage 2A), including a comparison of detected results to sample concentrations, was performed on the rinse blank samples. 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 2.

Eighty-two results for 15 various chemicals were rejected during data validation because of instrument performance, sample handling, low laboratory control sample/laboratory control sample duplicate (LCS/LCSD), matrix spike/matrix spike duplicate (MS/MSD) and/or surrogate spike percent recoveries (less than 10 percent). Rejected results include:

- 13 results each for 2-chloroethylvinylether and aniline;
- 12 results for 3,3'-dichlorobenzidine;
- 9 results each for 4-chloroaniline and hexachlorocyclopentadiene;
- 4 results each for 3-nitroaniline and benzyl alcohol;
- 3 results each for 1,2-diphenylhydrazine, azobenzene, and benzoic acid;
- 2 results each for 2,4-dinitrophenol, 2-nitrophenol, 4,6-dinitro-2-methylphenol, and 4-nitroaniline; and

- 1 result for 4-nitrophenol.

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 119 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, 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-one results for eight chemicals were re-qualified as nondetect at elevated RLs because of method blank contamination, including the following results:

- 12 results for naphthalene;
- 10 results for diethylphthalate;
- 8 results for PCB-11;
- 3 results each for methylene chloride, PCB-51, and phenol; and
- 1 result each for acetone and PCB-68.

Twelve results for six chemicals were re-qualified as nondetect because of trip or rinse blank contamination, including the following results:

- 3 results each for naphthalene and PCB-52;
- 2 results each for 2-methylnaphthalene and PCB-110; and
- 1 result each for 1-methylnaphthalene and diethylphthalate.

Seventy-six results for 23 chemicals that were Y-qualified were re-qualified as nondetect at elevated RLs because chromatographic interferences prevented adequate resolution of the compound at the standard RL, including the following results:

- 8 results for Aroclor 1248;
- 7 results for beta-BHC, and heptachlor epoxide;
- 6 results for 4,4'-DDE;
- 5 results each for Aldrin and trans-chlordane;
- 4 results each for 4,4'-DDT, Endrin, and Lindane;
- 3 results each for delta-BHC, dieldrin, and hexachlorobenzene;
- 2 results each for 4,4'-DDD, Endosulfan I, Endosulfan II, Endrin Aldehyde, Endrin Ketone, and heptachlor;
- 1 result each for Aroclor 1242, Aroclor 1254, Aroclor 1260, cis-chlordane, and Endosulfan Sulfate.

One hundred sixty-four results for 10 dioxin/furan congeners and 80 PCB congeners were EMPC-qualified by ARI or SGS as being EMPCs because not all method-required compound identification parameters were met. 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.

This page intentionally left blank.

5.0 References

AECOM. 2010. Lower Duwamish Waterway Draft Final Feasibility Study, Draft Final. October 15, 2010.

Cal/EPA (California Environmental Protection Agency). 1994. Health Effects of Benzo(a)pyrene. Office of Environmental Health Hazard Assessment, California Environmental Protection Agency, Berkeley, CA.

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), Office of Emergency and Remedial Response. February 1994. *USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review.* EPA 540/R-94/013. Washington, DC.

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

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

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

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

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.

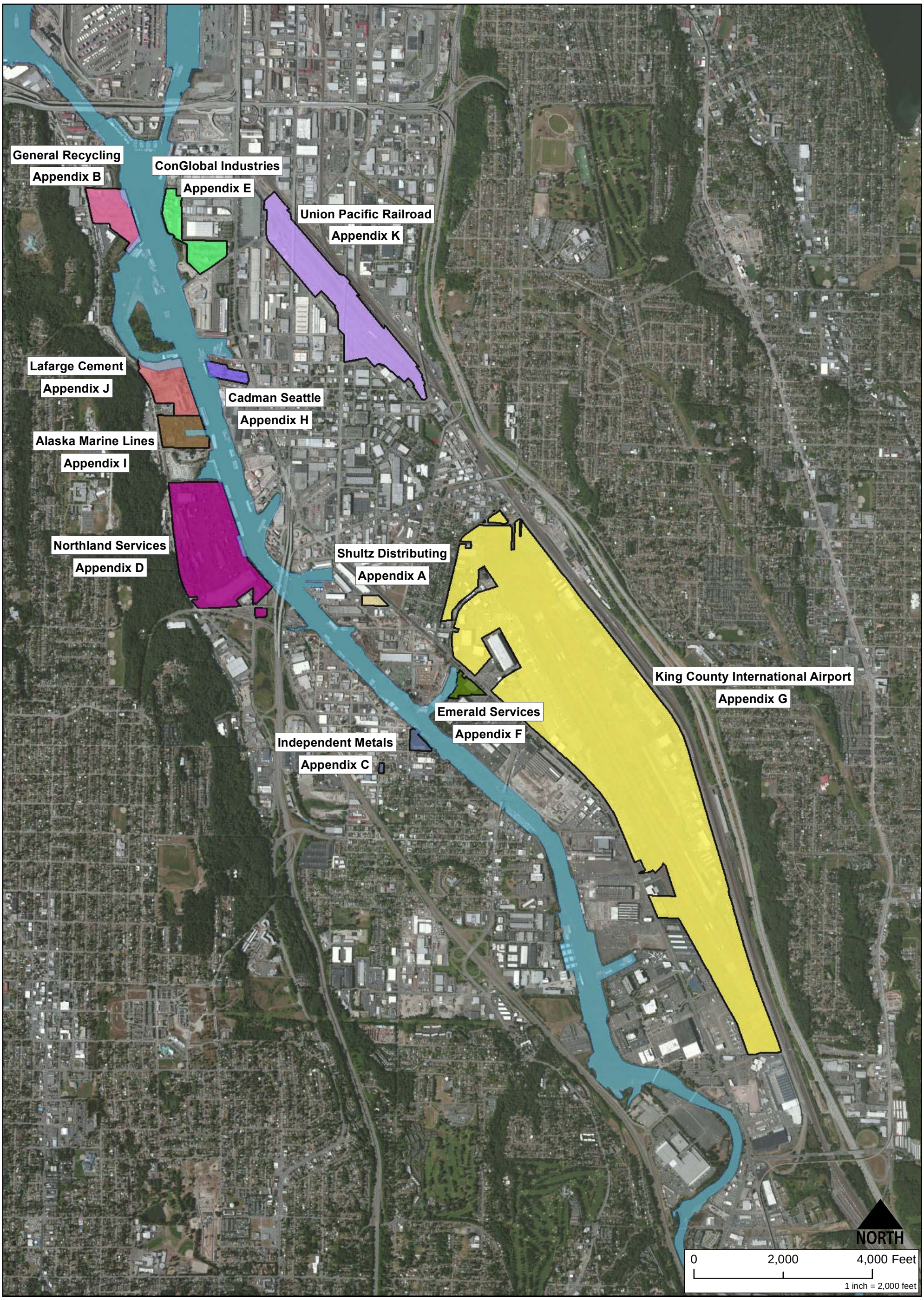
SAIC (Science Applications International Corporation). 2013. LDW NPDES Inspection Sampling Support Project, Sampling and Analysis Plan and Quality Assurance Project Plan. Final. Prepared by SAIC for the Washington State Department of Ecology. March 2013.

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

USACE (U.S. Army Corps of Engineers), U.S. Environmental Protection Agency, Washington Department of Ecology, Washington Department of Natural Resources, Oregon Department of Environmental Quality, Idaho Department of Environmental Quality, National Marine Fisheries Service, and U.S. Fish and Wildlife Service. 2009. Sediment Evaluation Framework for the Pacific Northwest. May 2009.

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.

Figure



DEPARTMENT OF ECOLOGY
State of Washington

Figure 1. NPDES Inspection Support Program – Sampled Facilities

leidos

Attachment 1
Comprehensive Data Tables

Table 1. Sample Location Information
NPDES Inspection Sampling Support

Facility	Location	Date	Water Sample	Solids Sample	State Plane X (North Zone)	State Plane Y (North Zone)	Location Description	Split Sample ID
Alaska Marine Lines – 5600 W Marginal (AM)	AM-SF4-EFF[a]	06/12/13		♦	1267759.13336	205085.48792	Located in the northeast portion of the facility; Effluent chamber of sand filter 4	NA
	AM-VT-INF	06/12/13		♦	1267906.28989	204639.48947	Located in the southeast portion of the facility; stormwater treatment system vault influent	NA
ConGlobal Industries (CG)	CG-MH-010	04/23/13		♦	1267678.81331	208981.81510	Located in the southern yard intermodal container storage area; Manhole MH10	CG-MH-010-20130423-S
Cadman/Seattle (CL)	CL-MH-SPS	06/05/13	♦	♦	1268155.31761	206082.01086	Located in the southwest portion of the facility; sump pump station manhole	CL-MH-SPS-20130605-S; CL-MH-SPS-20130605-W
	CL-VT-EFF	06/05/13	♦		1268682.44287	205953.98618	Located in the central portion of the facility; aboveground detention vault effluent port	CL-VT-EFF-20130605-W
Emerald Services (ES)	ES-MH-001	04/24/13	♦		1273612.60361	199188.37996	Located in the northeast portion of the facility; dowstream of treatment system, Manhole MH1	ES-MH-001-20130424-W
	ES-TS-INF	04/24/13		♦	1273592.87399	199174.67297	Located in the northeast portion of the facility; stormwater treatment vault influent	ES-TS-INF-20130424-S
General Recycling (GR)	GR-MH-01	04/04/13	♦		1266249.33782	209472.02967	Located in the southeast portion of the facility; stormwater treatment system effluent sampling port	GR-MH-01-20130404-W
	GR-MH-03	04/04/13		♦	1266048.62858	209477.71995	Located in the southwestern portion of the facility; Manhole MH03	GR-MH-03-20130404-S
	GR-CB-07	04/11/13		♦	1265670.07094	209494.79242	Located in the south central portion of the facility; Catch Basin CB07	GR-CB-07-20130411-S
	GR-WS-05	04/11/13		♦	1265850.83731	209528.79957	Located in the south central portion of the facility; Oil water separator WS05	GR-WS-05-20130411-S
Independent Metals (IM)	IM-CB-01	04/10/13		♦	1272629.62034	197839.49782	Located in the central processing yard of the Independent Metals Plant 2 facility; Catch basin CB01	IM-CB-01-20130410-S
	IM-CB-02	04/10/13		♦	1271813.38542	197250.55412	Located in the 7th Avenue Dirt Storage Lot; Catch basin CB02	IM-CB-02-20130410-S
	IM-MH-01	04/10/13	♦		1271821.97300	197260.99734	Located in the eastern portion of Independent Metals Plant 2 facility; stormwater treatment system effluent sampling port	IM-MH-01-20130410-W
	IM-SW-01	04/10/13	♦		1271825.57700	197254.10726	Located in the 7th Avenue Dirt Storage Lot; surface water puddle near CB02	IM-SW-01-20130410-W

Table 1. Sample Location Information
NPDES Inspection Sampling Support

Facility	Location	Date	Water Sample	Solids Sample	State Plane X (North Zone)	State Plane Y (North Zone)	Location Description	Split Sample ID
King County Airport (KC)	KC-CB-01	05/30/13		♦	1279509.53178	192094.47027	Located along the southwest fenceline of the facility; Catch basin CB01	NA
	KC-DD-2009	05/30/13		♦	1280047.41653	190920.10188	Located in the southwestern portion of the facility; north of oil water separator 2009, drainage ditch	NA
	KC-VT-1593	05/30/13	♦	♦	1278599.35413	193884.41288	Located in the western-central portion of the facility; Influent vault VT1593	NA
	KC-IV-SPS	05/31/13		♦	1277974.04994	194929.52398	Located in the western-central portion of the facility; south pump station influent vault	NA
Lafarge Cement (LF)	LF-LS-004	06/19/13		♦	1267443.19600	206002.36109	Located in the northeast portion of the facility; Lift station LS004	NA
	LF-TP-001[b]	06/19/13	♦	♦	No GPS reception available		Located in the central portion of the facility; Transfer sump pump TP001	LF-TP-001-20130619-S LF-TP-001-20130619-W
Northland Services (NS)	NS-CB-421	04/16/13		♦	1267671.95342	203062.83350	Located in the marine maintenance portion of the facility; Catch basin CB421	NS-CB-421-20130416-S
	NS-CB-423	04/16/13		♦	1267964.08374	203046.20329	Located at the container storage area of the facility; Catch basin CB423	NS-CB-423-20130416-S
	NS-CB-547[c]	04/16/13		♦	1268267.25177	202362.28142	Located in the central portion of the facility; Catch basin CB547	NS-CB-547-20130416-S
	NS-MH-536	04/16/13		♦	1268326.82744	202428.53785	Located in the central portion of the facility; Manhole MH536	NS-MH-536-20130416-S
	NS-MH-682	04/19/13	♦		1268234.59731	201501.73328	Located in the south-central portion of the facility; Manhole MH682	NS-MH-682-20130419-W
	NS-OF-002	04/19/13	♦		1268776.02109	201938.10019	Located on the river bank southeast of the facility; Outfall OF002	NS-OF-002-20130419-W
	NS-OF-006	04/19/13	♦		1268804.68639	201918.46735	Located on the river bank southeast of the facility; Outfall OF006	NS-OF-006-20130419-W
	NS-WS-316	04/19/13	♦		1267845.64073	203563.49064	Located in the north parking lot of the facility; oil water separator WS316 influent pipe	NS-WS-316-20130419-W
Shultz Distributing (SD)	SD-CB-01	03/26/13		♦	1271849.93423	200931.17700	Located in the southeast portion of the facility; Catch basin CB01	NA
	SD-SP-01	03/26/13	♦	♦	1271547.24127	201092.43849	Located in the north-central portion of the facility; Sump pump SP01	NA
Union Pacific Railroad – Argo Yard (UP)	UP-CB-A6	06/26/13		♦	1271315.97041	206877.49910	Located in Drainage Basin A of the facility; Catch basin CBA6	UP-CB-A6-20130626-S
	UP-CB-B8	06/26/13	♦	♦	1271693.01493	206437.96487	Located in Drainage Basin B of the facility; Catch basin CBB8	UP-CB-B8-20130626-S UP-CB-B8-20130626-W
	UP-MHF-165	06/26/13		♦	1270340.35950	208133.82369	Located in Drainage Basin F of the facility; Manhole MHF165	UP-MHF-165-20130626-S

Table 1. Sample Location Information
NPDES Inspection Sampling Support

a - Field duplicate AM-DUP-01-20130612-S was collected at AM-SF4-EFF
b - Field duplicate LF-FD-001-20130619-W was collected at LF-TP-001
c - Field duplicate NS-DUP-01-20130416-S was collected at NS-CB-547

CB - catch basin
DD - drainage ditch
IV - influent vault
LS - lift station
MH - manhole
MHF - manhole "F" drainage
NA - not applicable
NPDES - National Pollutant Discharge Elimination System
OF - outfall
SF4 - sand filter 4
SP - sump pump
SW - surface water
TP - transfer sump pump
TS - treatment system
VT - vault
WS - oil water separator

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

Facility	Location	Date	**Metals (Total, Dissolved)** EPA 200.8	**Mercury (Total, Dissolved)** SW 7470A	**PAHs** SW 8270D	**PAHs** SW8270DSIM	**Phthalates** SW 8270D	**Phenols** SW 8270D	**Other SVOCs** SW8081B	**Other SVOCs** SW 8270D	**PCB Aroclors** SW8082A	**PCB Congeners** EPA M1668C	**Pesticides** SW 8081B	**Alkalinity** SM2320	**Bicarbonate** SM 2320	**Carbonate** SM 2320	**Chloride** EPA 300.0	**Conductivity** EPA 120.1
Cadman Seattle (CL)	CL-MH-SPS	6/5/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
	CL-VT-EFF	6/5/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Emerald Services (ES)	ES-MH-001	4/24/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
General Recycling (GR)	GR-MH-01	4/4/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Independent Metals (IM)	IM-MH-01	4/10/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	IM-SW-01	4/10/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
King County Airport (KC)	KC-VT-1593	5/30/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Lafarge Cement (LF)	LF-TP-001[a]	6/19/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Northland Services (NS)	NS-MH-682	4/19/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
	NS-OF-002	4/19/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
	NS-OF-006	4/19/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
	NS-WS-316	4/19/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Shultz Distributing (SD)	SD-SP-01	3/26/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Union Pacific Railroad – Argo Yard (UP)	UP-CB-B8	6/26/2013	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦
Total			15	15	15	15	15	15	15	15	2	15	15	15	15	15	15	15

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

Facility	Location	Date	**Dissolved Organic Carbon** SM 5310B	**Dissolved Organic Carbon** SW 9060	**Hydroxide** SM 2320	**Nitrate + Nitrite** EPA 353.2	**N-Nitrate** EPA300.0	**N-Nitrate** EPA 353.2	**N-Nitrite** EPA300.0	**N-Nitrite** EPA 353.2	**pH** EPA150.1	**pH** SM 4500H	**Sulfate** EPA 300.0	**Total Organic Carbon** SM 5310B	**Total Organic Carbon** SW 9060	**Total Suspended Solids** SM 2540D	Total
Cadman Seattle (CL)	CL-MH-SPS	6/5/2013	♦		♦		♦					♦	♦	♦		♦	22
	CL-VT-EFF	6/5/2013	♦		♦		♦					♦	♦	♦		♦	22
Emerald Services (ES)	ES-MH-001	4/24/2013		♦	♦		♦				♦		♦		♦	♦	22
General Recycling (GR)	GR-MH-01	4/4/2013	♦		♦		♦					♦	♦	♦		♦	22
Independent Metals (IM)	IM-MH-01	4/10/2013	♦		♦		♦		♦			♦	♦	♦		♦	24
	IM-SW-01	4/10/2013	♦		♦		♦		♦			♦	♦	♦		♦	24
King County Airport (KC)	KC-VT-1593	5/30/2013		♦	♦		♦				♦		♦		♦	♦	22
Lafarge Cement (LF)	LF-TP-001[a]	6/19/2013	♦		♦		♦					♦	♦	♦		♦	44
Northland Services (NS)	NS-MH-682	4/19/2013	♦		♦		♦					♦	♦	♦		♦	22
	NS-OF-002	4/19/2013	♦		♦		♦					♦	♦	♦		♦	22
	NS-OF-006	4/19/2013	♦		♦		♦					♦	♦	♦		♦	22
	NS-WS-316	4/19/2013	♦		♦		♦					♦	♦	♦		♦	22
Shultz Distributing (SD)	SD-SP-01	3/26/2013	♦		♦	♦	♦	♦		♦		♦	♦	♦		♦	25
Union Pacific Railroad – Argo Yard (UP)	UP-CB-B8	6/26/2013	♦		♦		♦					♦	♦	♦		♦	22
Total			13	2	15	1	15	1	2	1	2	13	15	13	2	15	337

a - Field duplicate LF-FD-001-20130619-W was collected at LF-TP-001

CB - catch basin
EPA - U.S. Environmental Protection Agency
MH - manhole
NPDES - National Pollutant Discharge Elimination System
OF - outfall
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SIM - selected ion monitoring
SP - sump pump
SVOCs - semivolatile organic compounds
SW - surface water
TP - transfer sump pump
VT - vault
WS - oil water separator

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

Facility	Location	Date	**Metals (Total, Dissolved)** EPA 200.8 (ICP-MS)	**Metals (Total, Dissolved)** SW 6010C (ICP)	**Mercury** SW 7471A	**PAHs** SW 8260C	**PAHs** SW 8270D	**PAHs** SW 8270D SIM	**Phthalates** SW 8270D	**Phthalates** SW 8270D SIM	**Phenols** SW 8270D	**Phenols** SW 8270D SIM	**Other SVOCs** SW 8081B	**Other SVOCs** SW 8260C	**Other SVOCs** SW 8270D	**Other SVOCs** SW 8270D SIM	**PCB Aroclors** SW 8082A	**Pesticides** SW 8081B
Alaska Marine Lines – 5600 W Marginal (AM)	AM-SF4-EFF[a]	6/12/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	AM-VT-INF	6/12/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
Cadman/Lehigh (CL)	CL-MH-SPS	6/5/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
ConGlobal Industries (CG)	CG-MH-010	4/23/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
Emerald Services (ES)	ES-TS-INF	4/24/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
General Recycling (GR)	GR-CB-07	4/11/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	GR-MH-03	4/4/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	GR-WS-05	4/11/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Independent Metals (IM)	IM-CB-01	4/10/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
	IM-CB-02	4/10/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
King County Airport (KC)	KC-CB-01	5/30/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
	KC-DD-2009	5/30/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
	KC-IV-SPS	5/31/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	KC-VT-1593	5/30/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lafarge Cement (LF)	LF-LS-004	6/19/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
	LF-TP-001	6/19/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Northland Services (NS)	NS-CB-421	4/16/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	NS-CB-423	4/16/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	NS-CB-547[b]	4/16/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	NS-MH-536	4/16/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Shultz Distributing (SD)	SD-CB-01	3/26/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	SD-SP-01	3/26/2013	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦
Union Pacific Railroad – Argo Yard (UP)	UP-CB-A6	6/26/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	UP-CB-B8	6/26/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	UP-MHF-165	6/26/2013	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Total			27	27	27	19	27	27	27	27	27	27	27	19	27	27	27	27

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

Facility	Location	Date	VOCs SW 8260C	TPHs NWTPHD	TPHs NWTPHG	Dioxins and Furans EPA 1613B	Grain size PSEP-PS	Total Organic Carbon PLUMB81TC	Total Solids SM 2540B	Total Solids SM 2540G	Total
Alaska Marine Lines – 5600 W Marginal (AM)	AM-SF4-EFF[a]	6/12/2013	♦	♦	♦	♦	♦	♦	♦		46
	AM-VT-INF	6/12/2013				♦	♦	♦	♦		18
Cadman/Lehigh (CL)	CL-MH-SPS	6/5/2013	♦	♦	♦	♦	♦	♦	♦		23
ConGlobal Industries (CG)	CG-MH-010	4/23/2013		♦		♦	♦	♦	♦		19
Emerald Services (ES)	ES-TS-INF	4/24/2013	♦	♦	♦	♦	♦	♦	♦		23
General Recycling (GR)	GR-CB-07	4/11/2013	♦	♦	♦		♦	♦	♦		22
	GR-MH-03	4/4/2013	♦	♦	♦	♦	♦	♦	♦		23
	GR-WS-05	4/11/2013	♦	♦	♦		♦	♦	♦		22
Independent Metals (IM)	IM-CB-01	4/10/2013		♦	♦	♦	♦	♦	♦		20
	IM-CB-02	4/10/2013					♦	♦	♦		17
King County Airport (KC)	KC-CB-01	5/30/2013					♦	♦	♦		17
	KC-DD-2009	5/30/2013					♦	♦	♦		17
	KC-IV-SPS	5/31/2013	♦	♦	♦	♦	♦	♦	♦		23
	KC-VT-1593	5/30/2013	♦	♦	♦	♦	♦	♦	♦		23
Lafarge Cement (LF)	LF-LS-004	6/19/2013				♦		♦	♦		17
	LF-TP-001	6/19/2013	♦	♦	♦	♦	♦	♦	♦		23
Northland Services (NS)	NS-CB-421	4/16/2013	♦	♦	♦	♦	♦	♦	♦		23
	NS-CB-423	4/16/2013	♦	♦	♦		♦	♦	♦		22
	NS-CB-547[b]	4/16/2013	♦	♦	♦		♦	♦	♦		44
	NS-MH-536	4/16/2013	♦	♦	♦		♦	♦	♦		22
Shultz Distributing (SD)	SD-CB-01	3/26/2013	♦	♦		♦	♦	♦		♦	22
	SD-SP-01	3/26/2013		♦		♦	♦	♦		♦	19
Union Pacific Railroad – Argo Yard (UP)	UP-CB-A6	6/26/2013	♦	♦	♦		♦	♦	♦		22
	UP-CB-B8	6/26/2013	♦	♦	♦	♦	♦	♦	♦		23
	UP-MHF-165	6/26/2013	♦	♦	♦		♦	♦	♦		22
Total			19	22	19	16	26	27	25	2	572

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

a - Field duplicate AM-DUP-01-20130612-S was collected at AM-SF4-EFF
b - Field duplicate NS-DUP-01-20130416-S was collected at NS-CB-547

CB - catch basin
EPA - U.S. Environmental Protection Agency
ICP-MS - inductively coupled plasma mass spectrometry
MH - manhole
NPDES - National Pollutant Discharge Elimination System
OF - outfall
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SIM - selected ion monitoring
SP - sump pump
SVOCs - semivolatile organic compounds
SW - surface water
TP - transfer sump pump
VT - vault
WS - oil water separator

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593	LF-TP-001
Analyte	**Units**	**6/5/2013**	**6/5/2013**	**4/24/2013**	**4/4/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**6/19/2013**
Metals (Total)									
Antimony	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Arsenic	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Beryllium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Cadmium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Chromium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Copper	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Lead	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Mercury	µg/L	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A
Nickel	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Selenium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Silver	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Thallium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Zinc	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Metals (Dissolved)									
Antimony	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Arsenic	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Beryllium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Cadmium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Chromium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Copper	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Lead	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Mercury	µg/L	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A
Nickel	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Selenium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Silver	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Thallium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Zinc	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
PAHs									
1-Methylnaphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2-Chloronaphthalene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylnaphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Acenaphthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM
Acenaphthylene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593	LF-TP-001
Analyte	**Units**	**6/5/2013**	**6/5/2013**	**4/24/2013**	**4/4/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**6/19/2013**
Benzo(a)anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(a)pyrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(b)fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(g,h,i)perylene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(k)fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Chrysene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dibenz(a,h)anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dibenzofuran	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM
Fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Fluorene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM
Indeno(1,2,3-cd)pyrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Naphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phenanthrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Pyrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total Benzofluoranthenes	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total HPAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total LPAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total PAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0.5	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*1	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phthalates									
bis(2-Ethylhexyl)phthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Butylbenzylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Di-n-Butylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Diethylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Dimethylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Di-n-Octyl phthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phenols									
2,3,4,6-Tetrachlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,5-Trichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,6-Trichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dimethylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dinitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593	LF-TP-001
Analyte	**Units**	**6/5/2013**	**6/5/2013**	**4/24/2013**	**4/4/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**6/19/2013**
2-Chlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4,6-Dinitro-2-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloro-3-methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pentachlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Other SVOCs									
1,2,4-Trichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,2-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,2-Diphenylhydrazine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R
1,3-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,4-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dinitrotoluene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,6-Dinitrotoluene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3,3'-Dichlorobenzidine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Bromophenyl-phenylether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chlorophenyl-phenylether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Aniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Azobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R
Benzoic Acid	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzyl Alcohol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,2'-Oxybis(1-Chloropropane)	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
bis(2-Chloroethoxy) Methane	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Bis-(2-Chloroethyl) Ether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Carbazole	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Hexachlorobenzene	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Hexachlorobutadiene	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Hexachlorocyclopentadiene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593	LF-TP-001
Analyte	**Units**	**6/5/2013**	**6/5/2013**	**4/24/2013**	**4/4/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**6/19/2013**
Hexachloroethane	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Isophorone	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Nitrobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodimethylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitroso-Di-N-Propylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodiphenylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosomethylethylamine	µg/L	na	na	na	SW8270D	na	na	na	na
PCB Aroclors									
PCB Aroclors	µg/L	na	na	na	na	SW8082A	SW8082A	na	na
PCB Congeners									
PCB Congeners	pg/L	1668C	1668C	1668C	1668C	1668C	1668C	1668C	1668C
Pesticides									
Pesticides	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Conventionals									
Alkalinity	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Bicarbonate	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Carbonate	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Chloride	mg/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0
Conductivity	µmhos/cm	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1
Dissolved Organic Carbon	mg/L	SM5310B	SM5310B	SM5310B	SM 5310B	SM5310B	SM5310B	SW9060	SM5310B
Hydroxide	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Nitrate + Nitrite	mg-N/L	na	na	na	na	na	na	na	na
N-Nitrate	mg-N/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0
N-Nitrite	mg-N/L	na	na	na	na	EPA300.0	EPA300.0	na	na
pH	std units	SM4500H	SM4500H	SM4500H	SM4500H	SM4500H	SM4500H	EPA150.1	SM4500H
Sulfate	mg/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0
Total Organic Carbon	mg/L	SM5310B	SM5310B	SM5310B	SM 5310B	SM5310B	SM5310B	SW9060	SM5310B
Total Suspended Solids	mg/L	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01	UP-CB-B8
Analyte	**Units**	**6/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**3/26/2013**	**6/26/2013**
Metals (Total)								
Antimony	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Arsenic	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Beryllium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Cadmium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Chromium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Copper	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Lead	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Mercury	µg/L	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A
Nickel	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Selenium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Silver	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Thallium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Zinc	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Metals (Dissolved)								
Antimony	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Arsenic	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Beryllium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Cadmium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Chromium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Copper	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Lead	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Mercury	µg/L	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A	SW7470A
Nickel	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Selenium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Silver	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Thallium	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
Zinc	µg/L	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8	E200.8
PAHs								
1-Methylnaphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2-Chloronaphthalene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylnaphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Acenaphthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Acenaphthylene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01	UP-CB-B8
Analyte	**Units**	**6/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**3/26/2013**	**6/26/2013**
Benzo(a)anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(a)pyrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(b)fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(g,h,i)perylene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Benzo(k)fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Chrysene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dibenz(a,h)anthracene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dibenzofuran	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Fluoranthene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Fluorene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Indeno(1,2,3-cd)pyrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Naphthalene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phenanthrene	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Pyrene	µg/L	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total Benzofluoranthenes	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total HPAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total LPAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total PAHs	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0.5	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*1	µg/L	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phthalates								
bis(2-Ethylhexyl)phthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Butylbenzylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Di-n-Butylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Diethylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Dimethylphthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Di-n-Octyl phthalate	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phenols								
2,3,4,6-Tetrachlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,5-Trichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,6-Trichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dichlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dimethylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dinitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01	UP-CB-B8
Analyte	**Units**	**6/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**3/26/2013**	**6/26/2013**
2-Chlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4,6-Dinitro-2-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloro-3-methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Methylphenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitrophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pentachlorophenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phenol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Other SVOCs								
1,2,4-Trichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,2-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,2-Diphenylhydrazine	µg/L	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R
1,3-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
1,4-Dichlorobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dinitrotoluene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,6-Dinitrotoluene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3,3'-Dichlorobenzidine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Bromophenyl-phenylether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chlorophenyl-phenylether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitroaniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Aniline	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Azobenzene	µg/L	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R
Benzoic Acid	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzyl Alcohol	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,2'-Oxybis(1-Chloropropane)	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
bis(2-Chloroethoxy) Methane	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Bis-(2-Chloroethyl) Ether	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Carbazole	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Hexachlorobenzene	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Hexachlorobutadiene	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Hexachlorocyclopentadiene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

Location ID / Collection Date		LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01	UP-CB-B8
Analyte	**Units**	**6/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**4/19/2013**	**3/26/2013**	**6/26/2013**
Hexachloroethane	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Isophorone	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Nitrobenzene	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodimethylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitroso-Di-N-Propylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodiphenylamine	µg/L	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosomethylethylamine	µg/L	na	na	na	na	na	na	na
PCB Aroclors								
PCB Aroclors	µg/L	na	na	na	na	na	na	na
PCB Congeners								
PCB Congeners	pg/L	1668C	1668C	1668C	1668C	1668C	1668C	1668C
Pesticides								
Pesticides	µg/L	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Conventionals								
Alkalinity	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Bicarbonate	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Carbonate	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Chloride	mg/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0
Conductivity	µmhos/cm	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1	EPA120.1
Dissolved Organic Carbon	mg/L	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B
Hydroxide	mg/L CaCO3	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320	SM2320
Nitrate + Nitrite	mg-N/L	na	na	na	na	na	EPA353.2	na
N-Nitrate	mg-N/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA353.2	EPA300.0
N-Nitrite	mg-N/L	na	na	na	na	na	EPA353.2	na
pH	std units	SM4500H	SM4500H	SM4500H	SM4500H	SM4500H	SM4500H	SM4500H
Sulfate	mg/L	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0	EPA300.0
Total Organic Carbon	mg/L	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B	SM5310B
Total Suspended Solids	mg/L	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D	SM2540D

Table 4. Sample Analytical Methods – Water
NPDES Inspection Sampling Support

a - This is a field duplicate of the sample directly preceding it.

µg/L - micrograms per liter
µmhos/cm - micromhos per centimeter
CaCO3 - calcium carbonate
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
EPA - U.S. Environmental Protection Agency
HPAHs - high molecular weight polycyclic aromatic hydrocarbons
LPAHs - low molecular weight polycyclic aromatic hydrocarbons
mg/L - milligrams per liter
mg-N/L - milligrams per liter as nitrogen
na - not analyzed
nd - non-detect
NPDES - National Pollutant Discharge Elimination System
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
pg/L - picograms per liter
R - Result rejected during data validation review.
RL - reporting limit
SIM - selected ion monitoring
std units - standard units
SVOCs - semivolatile organic compounds

Table 5. Water Quality Data
NPDES Inspection Sampling Support

Location ID			CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593	LF-TP-001
Collection Date			6/5/2013	6/5/2013	4/24/2013	4/4/2013	4/10/2013	4/10/2013	5/30/2013	6/19/2013
Analyte	WA NPDES ISGP	Unit	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Flow	--	Yes/No	Yes	No	No	No	Yes	No	Yes	No
pH	5.0 to 9.0	std units	**9.63**	**9.28**	5.95	7.58	6.93	**9.21**	7.07	7.22
Conductivity	--	mS/cm	185	178	1,420	347	1,020	209	388	876
Temperature	--	degrees C	19.8	21.6	12.4	12.8	11.0	20.8	15.5	17.6
Total Dissolved Solids	--	g/L	na	na	0.9	0.22	0.6	0.14	na	0.56
Turbidity	25	NTU	**1,212**	**56**	**56**	**31**[b]	**113**	> **999**	na	0.5
Oil & Grease	No visible sheen	Yes/No	No	No	No	No	No	No	No	No
Dissolved Oxygen	--	mg/L	na	na	8.9	na	na	na	na	6.6

Table 5. Water Quality Data
NPDES Inspection Sampling Support

Location ID			LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01	UP-CB-B8
Collection Date			6/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	3/26/2013	6/26/2013
Analyte	WA NPDES ISGP	Unit	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Flow	--	Yes/No	No	Yes	Yes	Yes	Yes	No	Yes
pH	5.0 to 9.0	std units	7.22	**9.22**	8.26	8.05	**9.49**	7.82	6.72
Conductivity	--	mS/cm	876	39	23	63	106	95	713
Temperature	--	degrees C	17.6	12.9	12.2	12.0	14.7	12.1	21.6
Total Dissolved Solids	--	g/L	0.56	0.03	0.02	0.04	0.07	0.06	0.47
Turbidity	25	NTU	0.5	**570**	**30**	25	**150**	**33**	**59.8**
Oil & Grease	No visible sheen	Yes/No	No	No	No	No	**Yes**	**Yes**	No
Dissolved Oxygen	--	mg/L	6.6	na	na	na	na	13.5	na

a - This is a field duplicate of the sample directly preceding it.
b - Facility's turbidity meter result was 1.81 NTU.

Results in **bold** exceed the WA NPDES ISWGP.
degrees C - degrees Celsius
g/L - grams per liter
ISGP - Industrial Stormwater General Permit
mS/cm - milliSiemens per centimeter
na - not analyzed
NPDES - National Pollutant Discharge Elimination System
NTU - Nephelometric Turbidity Units
std units - standard units

WA - Washington State
> - Result exceeds equipment calibration limit.

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date					6/5/2013					6/5/2013					4/24/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total PCB Congeners (µg/L)[a]	0.03	10	0.00017	0.000064	0.00609 CJ			36	95	0.00382 CJ			22	60	0.000175 CJ			1.03	2.7
Total PCB Congeners (pg/L)[a]					6,090 CJ					3,820 CJ					175 CJ				
(pg/L)[b]					6,130 CJ					3,950 CJ					338 CJ				
Total Monochlorobiphenyl (pg/L)[a]					< 1.28 U					< 1.31 U					< 2.42 U				
Estimated Total Monochlorobiphenyl (pg/L)[b]					< 1.28 U					< 1.31 U					< 2.42 U				
PCB-1					< 1.23 U					< 1.25 U					< 2.20 U				
PCB-2					< 1.29 U					< 1.32 U					< 2.53 U				
PCB-3					< 1.33 U					< 1.36 U					< 2.65 U				
Total Dichlorobiphenyl (pg/L)[a]					92.8					13.1					< 12.1 U				
Estimated Total Dichlorobiphenyl (pg/L)[b]					92.8					61.0					< 12.1 U				
PCB-4					10.1					6.97 J					< 6.92 U				
PCB-5					< 2.61 U					< 3.99 U					< 6.26 U				
PCB-6					3.05 J					< 4.03 U					< 6.23 U				
PCB-7					< 2.46 U					< 3.76 U					< 5.91 U				
PCB-8					13.4					6.14 J					< 6.01 U				
PCB-9					< 2.86 U					< 4.37 U					< 6.67 U				
PCB-10					< 2.91 U					< 3.64 U					< 4.41 U				
PCB-11					59.4					< 47.9 U					< 12.1 U				
PCB-12/13					< 2.45 CU					< 3.75 CU					< 6.14 CU				
PCB-14					< 2.16 U					< 3.30 U					< 5.29 U				
PCB-15					6.89 J					< 3.74 U					< 5.85 U				
Total Trichlorobiphenyl (pg/L)[a]					137					47.3					48.6				
Estimated Total Trichlorobiphenyl (pg/L)[b]					148 J					57.6 J					48.7				
PCB-16					13.3					< 5.98 U					< 6.24 U				
PCB-17					10.1					< 4.28 U					< 4.76 U				
PCB-18/30					22.7 C					10.9 CJ					< 4.09 CU				
PCB-19					4.34 J					< 1.97 U					28.0				
PCB-20/28					27.0 C					9.94 CJ					< 4.29 CU				
PCB-21/33					13.8 CJ					5.49 CJ					< 4.17 CU				
PCB-22					< 10.6 U					4.37 J					< 4.54 U				
PCB-23					< 1.56 U					< 1.34 U					< 4.26 U				
PCB-24					< 1.26 U					< 1.41 U					< 3.74 U				
PCB-25					< 1.55 U					< 1.34 U					< 4.15 U				
PCB-26/29					4.25 CJ					1.56 CJ					< 4.23 CU				
PCB-27					2.91 J					< 1.35 U					14.3				
PCB-31					20.5					8.30					< 4.01 U				
PCB-32					9.30					3.20 J					6.32 J				
PCB-34					< 1.60 U					< 1.38 U					< 4.33 U				
PCB-35					< 1.64 U					< 1.42 U					< 4.59 U				
PCB-36					< 1.53 U					< 1.32 U					< 4.16 U				
PCB-37					8.62					3.52 J					< 4.54 U				
PCB-38					< 1.60 U					< 1.38 U					< 4.45 U				
PCB-39					< 1.45 U					< 1.25 U					< 3.97 U				
Total Tetrachlorobiphenyl (pg/L)[a]					254					79.4					52.6				
Estimated Total Tetrachlorobiphenyl (pg/L)[b]					260 J					104 J					92.7 J				
PCB-40/71					16.8 CJ					6.37 CJ					7.38 CJ				
PCB-41					4.09 J					< 1.56 U					< 6.42 U				
PCB-42					8.61					3.05 J					< 5.48 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date					6/5/2013					6/5/2013					4/24/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-43					< 1.39 U					< 1.55 U					< 6.13 U				
PCB-44/47/65					34.4 C					13.2 CJ					< 12.3 CU				
PCB-45					5.58 J					2.20 J					< 5.49 U				
PCB-46					2.47 J					< 1.58 U					< 6.07 U				
PCB-48					6.24 J					< 1.97 U					< 5.00 U				
PCB-49/69					17.3 C					6.22 CJ					7.54 CJ				
PCB-50/53					4.50 CJ					< 1.53 U					33.1 C				
PCB-51					< 1.18 U					< 1.31 U					< 4.95 U				
PCB-52					56.5					< 21.6 U					< 22.2 U				
PCB-54					< 0.928 U					< 0.869 U					< 2.86 U				
PCB-55					< 1.51 U					< 1.07 U					< 3.61 U				
PCB-56					12.1					5.42 J					< 3.72 U				
PCB-57					< 1.53 U					< 1.08 U					< 3.54 U				
PCB-58					< 1.49 U					< 1.05 U					< 3.47 U				
PCB-59/62/75					< 2.69 U					1.19 CJ					< 3.66 CU				
PCB-60					5.47 J					2.17 J					< 3.62 U				
PCB-61/70/74/76					44.9 C					22.0 CJ					< 5.66 U				
PCB-63					< 1.37 U					< 0.966 U					< 3.18 U				
PCB-64					13.3					5.09 J					4.58 J				
PCB-66					21.4					9.89					< 3.79 U				
PCB-67					< 1.46 U					< 1.03 U					< 3.29 U				
PCB-68					< 1.38 U					< 0.976 U					< 3.22 U				
PCB-72					< 1.50 U					< 1.06 U					< 3.42 U				
PCB-73					< 0.954 U					< 1.06 U					< 3.74 U				
PCB-77					< 3.27 U					2.55 J					< 3.22 U				
PCB-78					< 1.55 U					< 1.09 U					< 3.82 U				
PCB-79					< 1.37 U					< 0.967 U					< 3.21 U				
PCB-80					< 1.32 U					< 0.935 U					< 3.13 U				
PCB-81					< 1.49 U					< 1.05 U					< 3.66 U				
Total Pentachlorobiphenyl (pg/L)[a]					758					505					43.0				
Estimated Total Pentachlorobiphenyl (pg/L)[b]					775 J					516 J					92.2 J				
PCB-82					< 7.84 U					7.24 J					< 3.46 U				
PCB-83					5.44 J					< 3.72 U					< 3.45 U				
PCB-84					21.3					13.4					7.10 J				
PCB-85/116					9.56 CJ					< 5.14 U					< 2.56 CU				
PCB-86/87/97/109/119/125					64.0 C					45.5 CJ					9.90 CJ				
PCB-88					< 1.55 U					< 1.04 U					< 3.07 U				
PCB-89					< 1.47 U					< 0.993 U					< 3.13 U				
PCB-90/101/113					190 C					118 C					< 15.4 CU				
PCB-91					8.36 J					4.63 J					< 2.59 U				
PCB-92					31.0					18.6					< 2.97 U				
PCB-93/100					< 1.33 CU					< 0.899 CU					< 2.74 CU				
PCB-94					< 1.43 U					< 0.967 U					< 3.05 U				
PCB-95					146					89.1					26.0				
PCB-96					< 0.635 U					< 0.666 U					< 1.87 U				
PCB-98					< 1.63 U					< 1.10 U					< 2.98 U				
PCB-99					24.2					16.1					< 3.93 U				
PCB-102					< 1.89 U					< 1.14 U					< 2.71 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date					6/5/2013					6/5/2013					4/24/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-103					< 1.29 U					< 0.870 U					< 2.61 U				
PCB-104					< 0.543 U					< 0.570 U					< 1.58 U				
PCB-105					20.8					18.9					< 3.05 U				
PCB-106					< 1.06 U					< 0.718 U					< 2.22 U				
PCB-107					10.5					6.95 J					< 2.12 U				
PCB-108/124					< 5.29 U					3.84 CJ					< 2.24 CU				
PCB-110					150					107					< 20.4 U				
PCB-111					< 0.988 U					< 0.667 U					< 2.03 U				
PCB-112					< 1.01 U					< 0.682 U					< 2.06 U				
PCB-114					< 0.907 U					< 0.639 U					< 1.96 U				
PCB-115					< 0.942 U					< 0.636 U					< 2.19 U				
PCB-117					< 1.23 U					1.49 J					< 2.19 U				
PCB-118					74.0					54.0					< 6.51 U				
PCB-120					< 2.00 U					< 0.662 U					< 2.02 U				
PCB-121					< 0.99 U					< 0.668 U					< 2.06 U				
PCB-122					< 1.10 U					< 0.775 U					< 2.34 U				
PCB-123					1.11 J					< 0.638 U					< 1.99 U				
PCB-126					2.12 J					< 1.67 U					< 2.53 U				
PCB-127					< 1.04 U					< 0.748 U					< 2.23 U				
Total Hexachlorobiphenyl (pg/L)[a]					2,490					1,580					27.5				
Estimated Total Hexachlorobiphenyl (pg/L)[b]					2,500 J					1,600 J					66.6 J				
PCB-128/166					35.6 C					23.9 C					2.41 CJ				
PCB-129/138/163					539 C					358 C					< 17.8 U				
PCB-130					29.1					< 16.6 U					< 2.51 U				
PCB-131					4.18 J					< 2.28 U					< 2.45 U				
PCB-132					154					102					< 5.86 U				
PCB-133					8.01 J					4.35 J					< 2.24 U				
PCB-134					24.0					15.7					< 2.61 U				
PCB-135/151					221 C					133 C					6.80 CJ				
PCB-136					78.4					46.5					< 2.40 U				
PCB-137					8.60					< 3.48 U					< 1.94 U				
PCB-139/140					< 3.40 U					2.42 CJ					< 2.05 CU				
PCB-141					137					88.3					2.92 J				
PCB-142					< 0.747 U					< 0.727 U					< 2.42 U				
PCB-143					< 0.742 U					< 0.723 U					< 2.18 U				
PCB-144					31.5					18.9					< 2.10 U				
PCB-145					< 0.562 U					< 0.529 U					< 1.44 U				
PCB-146					88.1					58.3					< 2.05 U				
PCB-147/149					488 C					308 C					15.4 CJ				
PCB-148					< 0.702 U					< 0.683 U					< 2.09 U				
PCB-150					< 0.532 U					< 0.501 U					< 1.36 U				
PCB-152					< 0.538 U					< 0.506 U					< 1.38 U				
PCB-153/168					505 C					327 C					< 13.1 CU				
PCB-154					< 3.21 U					2.56 J					< 1.88 U				
PCB-155					< 0.51 U					< 0.479 U					< 1.26 U				
PCB-156/157					32.1 C					20.8 C					< 2.41 CU				
PCB-158					43.4					29.8					< 1.56 U				
PCB-159					8.23 J					5.98 J					< 1.83 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date					6/5/2013					6/5/2013					4/24/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-160					< 0.557 U					1.29 J					< 1.76 U				
PCB-161					< 0.540 U					< 0.525 U					< 1.62 U				
PCB-162					2.55 J					< 0.809 U					< 1.84 U				
PCB-164					36.3					24.2					< 1.76 U				
PCB-165					< 0.602 U					< 0.586 U					< 1.75 U				
PCB-167					16.6					11.1					< 1.73 U				
PCB-169					< 1.14 U					< 0.907 U					< 2.00 U				
Total Heptachlorobiphenyl (pg/L)[a]					1,940					1,290					3.66				
Estimated Total Heptachlorobiphenyl (pg/L)[b]					1,940					1,290					25.3 J				
PCB-170					234					161					< 3.13 U				
PCB-171/173					73.8 C					46.6 C					< 2.81 CU				
PCB-172					42.0					30.2					< 2.72 U				
PCB-174					268					175					< 5.10 U				
PCB-175					10.9					< 6.41 U					< 2.47 U				
PCB-176					32.3					19.2					< 1.70 U				
PCB-177					146					95.8					< 2.82 U				
PCB-178					49.2					30.6					< 2.50 U				
PCB-179					102					64.1					< 1.84 U				
PCB-180/193					498 C					346 C					< 8.33 U				
PCB-181					< 1.36 U					< 1.00 U					< 2.45 U				
PCB-182					< 1.29 U					< 0.948 U					< 2.24 U				
PCB-183					126					86.2					3.66 J				
PCB-184					< 0.807 U					< 0.535 U					< 1.87 U				
PCB-185					27.9					11.4					< 2.46 U				
PCB-186					< 0.757 U					< 0.502 U					< 1.80 U				
PCB-187					259					175					< 5.33 U				
PCB-188					< 0.722 U					< 0.478 U					< 1.67 U				
PCB-189					7.36 J					5.27 J					< 2.29 U				
PCB-190					48.5					33.1					< 2.29 U				
PCB-191					10.2					7.66 J					< 1.97 U				
PCB-192					< 1.18 U					< 0.869 U					< 2.07 U				
Total Octachlorobiphenyl (pg/L)[a]					394					288					< 1.90 U				
Estimated Total Octachlorobiphenyl (pg/L)[b]					394					290 J					< 1.90 U				
PCB-194					94.0					69.9					< 2.60 U				
PCB-195					46.0					30.9					< 2.85 U				
PCB-196					49.9					38.5					< 2.23 U				
PCB-197					3.28 J					< 1.78 U					< 1.50 U				
PCB-198/199					96.5 C					73.5 C					< 2.31 CU				
PCB-200					12.5					9.33					< 1.66 U				
PCB-201					11.2					8.29					< 1.55 U				
PCB-202					16.8					11.1					< 1.74 U				
PCB-203					59.0					43.2					< 2.12 U				
PCB-204					< 0.799 U					< 0.662 U					< 1.64 U				
PCB-205					4.66 J					3.41 J					< 2.06 U				
Total Nonachlorobiphenyl (pg/L)[a]					22.3					13.7					< 3.19 U				
Estimated Total Nonachlorobiphenyl (pg/L)[b]					22.2					15.7 J					< 3.19 U				
PCB-206					16.7					11.9					< 3.82 U				
PCB-207					2.28 J					1.79 J					< 2.47 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date					6/5/2013					6/5/2013					4/24/2013				
Analyte	WA WQC		NTR WQC	NR WQC	Result	EF				Result	EF				Result	EF			
	Marine		Human Health	Human Health		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO
	Chronic	Acute	Organism	Organism															
PCB-208					3.28 J					< 2.00 U					< 2.55 U				
Decachlorobiphenyl (pg/L)					< 3.42 U					< 4.01 U					< 1.4 U				
PCB-209					< 3.42 U					< 4.01 U					< 1.4 U				
PCB TEQ, nd SDL*0					0.217 J					0.00356 J					< 0 U				
PCB TEQ, nd SDL*0.5					0.234 J					0.101 J					< 0.158 U				
PCB TEQ, nd SDL*1					0.252 J					0.198 J					< 0.315 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date					4/4/2013					4/10/2013					4/10/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total PCB Congeners (µg/L)[a]	0.03	10	0.00017	0.000064	0.0113 CJ			66	177	0.00983 CJ			58	154	**0.302** J	10.1		1776	4719
Total PCB Congeners (pg/L)[a]					11,300 CJ					9,830 CJ					302,000 J				
(pg/L)[b]					11,400 CJ					9,890 CJ					302,000 J				
Total Monochlorobiphenyl (pg/L)[a]					< 2.44 U					53.8					201				
Estimated Total Monochlorobiphenyl (pg/L)[b]					< 2.44 U					53.8					201				
PCB-1					< 2.25 U					44.5					122				
PCB-2					< 2.52 U					1.96 J					13.9				
PCB-3					< 2.62 U					7.35 J					65.2				
Total Dichlorobiphenyl (pg/L)[a]					1,930					960					12,300				
Estimated Total Dichlorobiphenyl (pg/L)[b]					1,930					973					12,300				
PCB-4					1,400					429					1,770				
PCB-5					< 5.70 U					6.63 J					98.1				
PCB-6					< 5.67 U					44.1					1,020				
PCB-7					< 5.30 U					11.6					169				
PCB-8					< 5.45 U					310					5,020				
PCB-9					< 6.02 U					18.2					322				
PCB-10					40.4					38.2					87.8				
PCB-11					< 14.5 U					< 12.0 U					709				
PCB-12/13					7.21 CJ					6.28 CJ					352 C				
PCB-14					< 4.77 U					< 1.59 U					< 2.16 U				
PCB-15					483					96.4					2,720				
Total Trichlorobiphenyl (pg/L)[a]					7,050					3,740					64,000				
Estimated Total Trichlorobiphenyl (pg/L)[b]					7,050					3,740					64,000				
PCB-16					1,300					438					4,660				
PCB-17					766					404					3,840				
PCB-18/30					2,120 C					803 C					8,380 C				
PCB-19					369					159					831				
PCB-20/28					703 C					514 C					12,300 C				
PCB-21/33					13.3 CJ					184 C					7,960 C				
PCB-22					32.6					157					5,160				
PCB-23					< 3.66 U					< 2.34 U					11.3				
PCB-24					24.2					12.3					152				
PCB-25					40.7					32.4					961				
PCB-26/29					172 C					56.4 C					2,080 C				
PCB-27					152					69.0					648				
PCB-31					694					486					10,700				
PCB-32					519					378					2,730				
PCB-34					< 3.73 U					< 2.41 U					31.9				
PCB-35					< 3.98 U					< 2.47 U					206				
PCB-36					< 3.57 U					< 2.30 U					< 5.47 U				
PCB-37					141					47.9					3,400				
PCB-38					< 3.86 U					< 2.41 U					< 5.73 U				
PCB-39					< 3.43 U					< 2.18 U					39.5				
Total Tetrachlorobiphenyl (pg/L)[a]					2,110					2,380					68,600				
Estimated Total Tetrachlorobiphenyl (pg/L)[b]					2,150 J					2,400					68,600				
PCB-40/71					180 C					216 C					5,180 C				
PCB-41					52.6					54.4					1,460				
PCB-42					89.4					125					2,940				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date					4/4/2013					4/10/2013					4/10/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-43					20.7					20.5					444				
PCB-44/47/65					369 C					363 C					10,300 C				
PCB-45					135					82.2					1,920				
PCB-46					61.2					37.0					792				
PCB-48					90.5					107					2,570				
PCB-49/69					161 C					234 C					5,410 C				
PCB-50/53					117 C					61.2 C					1,470 C				
PCB-51					< 27.0 U					< 25.2 U					446				
PCB-52					400					365					11,100				
PCB-54					3.07 J					0.977 J					22.2				
PCB-55					< 2.70 U					2.50 J					106				
PCB-56					30.7					60.0					2,260				
PCB-57					< 2.57 U					1.31 J					38.6				
PCB-58					< 2.55 U					< 0.962 U					12.8				
PCB-59/62/75					36.1 C					34.1 C					989 C				
PCB-60					< 17.6 U					31.3					1,210				
PCB-61/70/74/76					161 C					263 C					9,770 C				
PCB-63					2.98 J					7.16 J					224				
PCB-64					123					171					4,270				
PCB-66					68.3					125					4,720				
PCB-67					4.79 J					6.24 J					269				
PCB-68					< 2.33 U					< 0.895 U					< 17.3 U				
PCB-72					< 2.47 U					1.19 J					38.2				
PCB-73					< 2.07 U					1.79 J					36.9				
PCB-77					4.64 J					5.83 J					467				
PCB-78					< 2.84 U					< 1.00 U					< 4.99 U				
PCB-79					< 2.30 U					< 1.17 U					49.0				
PCB-80					< 2.30 U					< 0.858 U					< 4.26 U				
PCB-81					< 2.72 U					< 0.964 U					22.8				
Total Pentachlorobiphenyl (pg/L)[a]					203					1,200					55,600				
Estimated Total Pentachlorobiphenyl (pg/L)[b]					248 J					1,200					55,600				
PCB-82					< 4.68 U					28.7					1,200				
PCB-83					< 2.87 U					10.9					440				
PCB-84					< 17.3 U					47.7					2,470				
PCB-85/116					4.56 CJ					28.1 C					1,150 C				
PCB-86/87/97/109/119/125					29.5 CJ					140 C					5,900 C				
PCB-88					< 3.08 U					< 1.12 U					< 5.86 U				
PCB-89					< 2.67 U					< 3.10 U					111				
PCB-90/101/113					33.9 C					182 C					7,810 C				
PCB-91					5.88 J					27.8					1,030				
PCB-92					< 4.64 U					33.2					1,410				
PCB-93/100					< 2.39 CU					2.19 CJ					84.9 C				
PCB-94					< 2.55 U					< 1.04 U					47.1				
PCB-95					59.5					127					7,180				
PCB-96					< 1.84 U					2.71 J					98.7				
PCB-98					< 2.71 U					< 1.18 U					< 6.17 U				
PCB-99					< 11.1 U					80.2					3,120				
PCB-102					< 2.05 U					7.52 J					257				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date					4/4/2013					4/10/2013					4/10/2013				
Analyte	WA WQC		NTR WQC	NR WQC	Result	EF				Result	EF				Result	EF			
	Marine		Human Health	Human Health		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO
	Chronic	Acute	Organism	Organism															
PCB-103					< 2.18 U					1.24 J					40.5				
PCB-104					< 1.55 U					< 0.457 U					< 0.618 U				
PCB-105					< 8.10 U					60.6					3,270				
PCB-106					< 1.97 U					< 0.770 U					< 4.03 U				
PCB-107					< 1.85 U					11.5					499				
PCB-108/124					< 1.92 CU					7.52 CJ					329 C				
PCB-110					51.9					230					11,500				
PCB-111					< 1.73 U					< 0.715 U					< 3.74 U				
PCB-112					< 1.8 U					< 0.731 U					< 3.83 U				
PCB-114					< 1.84 U					4.21 J					157				
PCB-115					< 1.71 U					4.79 J					182				
PCB-117					< 2.21 U					6.47 J					235				
PCB-118					17.4					147					6,810				
PCB-120					< 1.74 U					< 0.710 U					< 3.72 U				
PCB-121					< 1.75 U					< 0.717 U					< 3.75 U				
PCB-122					< 2.21 U					3.02 J					114				
PCB-123					< 1.72 U					2.69 J					121				
PCB-126					< 2.22 U					< 0.741 U					46.2				
PCB-127					< 2.10 U					< 0.799 U					< 4.11 U				
Total Hexachlorobiphenyl (pg/L)[a]					19.4					890					54,300				
Estimated Total Hexachlorobiphenyl (pg/L)[b]					43.5 J					890					54,400				
PCB-128/166					< 2.32 CU					38.5 C					2,210 C				
PCB-129/138/163					< 13.3 CU					227 C					12,600 C				
PCB-130					< 2.28 U					14.6					801				
PCB-131					< 2.16 U					3.88 J					170				
PCB-132					4.18 J					67.4					4,260				
PCB-133					< 2.02 U					2.18 J					158				
PCB-134					< 2.27 U					12.3					675				
PCB-135/151					4.81 CJ					52.3 C					3,990 C				
PCB-136					< 1.45 U					16.9					1,470				
PCB-137					< 1.94 U					13.6					575				
PCB-139/140					< 1.85 CU					3.59 CJ					202 C				
PCB-141					< 2.26 U					36.3					2,270				
PCB-142					< 2.19 U					< 0.650 U					< 0.818 U				
PCB-143					< 2.03 U					1.16 J					54.9				
PCB-144					< 1.87 U					7.61 J					578				
PCB-145					< 1.43 U					< 0.497 U					5.41 J				
PCB-146					< 1.81 U					24.1					1,600				
PCB-147/149					10.4 CJ					143 C					9,880 C				
PCB-148					< 1.86 U					< 0.611 U					6.96 J				
PCB-150					< 1.33 U					< 0.470 U					12.1				
PCB-152					< 1.33 U					< 0.476 U					8.47				
PCB-153/168					< 8.54 U					153 C					8,800 C				
PCB-154					< 1.67 U					1.31 J					88.3				
PCB-155					< 1.24 U					< 0.450 U					< 0.505 U				
PCB-156/157					< 2.44 CU					27.3 C					1,310 C				
PCB-158					< 1.40 U					22.1					1,180				
PCB-159					< 1.99 U					< 0.659 U					132				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date					4/4/2013					4/10/2013					4/10/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-160					< 1.62 U					< 0.485 U					< 0.610 U				
PCB-161					< 1.47 U					< 0.470 U					2.24 J				
PCB-162					< 1.99 U					< 0.623 U					41.8				
PCB-164					< 1.44 U					13.1					835				
PCB-165					< 1.56 U					< 0.524 U					< 0.66 U				
PCB-167					< 1.85 U					8.37					422				
PCB-169					< 2.12 U					< 0.764 U					< 4.11 U				
Total Heptachlorobiphenyl (pg/L)[a]					4.38					377					35,400				
Estimated Total Heptachlorobiphenyl (pg/L)[b]					4.38					388 J					35,400				
PCB-170					< 2.96 U					37.3					3,210				
PCB-171/173					< 2.81 CU					12.6 CJ					1,190 C				
PCB-172					< 2.74 U					6.33 J					661				
PCB-174					< 2.70 U					49.6					5,360				
PCB-175					< 2.35 U					1.82 J					209				
PCB-176					< 1.55 U					< 5.45 U					478				
PCB-177					< 2.84 U					24.0					2,620				
PCB-178					< 2.30 U					9.49					781				
PCB-179					< 1.68 U					21.7					1,910				
PCB-180/193					4.38 CJ					105 C					8,190 C				
PCB-181					< 2.47 U					< 0.927 U					39.8				
PCB-182					< 2.25 U					< 0.875 U					51.3				
PCB-183					< 2.29 U					28.5					2,440				
PCB-184					< 1.70 U					< 0.540 U					5.98 J				
PCB-185					< 2.47 U					< 5.41 U					669				
PCB-186					< 1.65 U					< 0.507 U					< 0.774 U				
PCB-187					< 2.31 U					71.7					6,710				
PCB-188					< 1.53 U					< 0.483 U					8.97				
PCB-189					< 1.76 U					1.51 J					106				
PCB-190					< 2.18 U					7.90 J					641				
PCB-191					< 2.01 U					< 0.765 U					153				
PCB-192					< 2.10 U					< 0.802 U					< 5.02 U				
Total Octachlorobiphenyl (pg/L)[a]					< 1.93 U					188					10,200				
Estimated Total Octachlorobiphenyl (pg/L)[b]					< 1.93 U					196 J					10,200				
PCB-194					< 2.39 U					37.8					2,410				
PCB-195					< 2.64 U					13.1					1,040				
PCB-196					< 2.45 U					21.1					932				
PCB-197					< 1.67 U					1.74 J					88.7				
PCB-198/199					< 2.55 CU					55.0 C					2,570 C				
PCB-200					< 1.83 U					7.61 J					402				
PCB-201					< 1.73 U					< 6.54 U					400				
PCB-202					< 1.94 U					13.3					778				
PCB-203					< 2.33 U					38.3					1,450				
PCB-204					< 1.82 U					< 0.535 U					< 0.961 U				
PCB-205					< 1.92 U					< 1.61 U					98.9				
Total Nonachlorobiphenyl (pg/L)[a]					< 4.53 U					43.4					1,600				
Estimated Total Nonachlorobiphenyl (pg/L)[b]					< 4.53 U					43.4					1,610				
PCB-206					< 5.53 U					31.4					1,170				
PCB-207					< 3.44 U					4.26 J					132				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date					4/4/2013					4/10/2013					4/10/2013				
Analyte	WA WQC		NTR WQC	NR WQC	Result	EF				Result	EF				Result	EF			
	Marine		Human Health	Human Health		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO
	Chronic	Acute	Organism	Organism															
PCB-208					< 3.52 U					7.70 J					300				
Decachlorobiphenyl (pg/L)					< 1.4 U					< 4.04 U					146				
PCB-209					< 1.4 U					< 4.04 U					146				
PCB TEQ, nd SDL*0					0.000986 J					0.00813 J					5.04				
PCB TEQ, nd SDL*0.5					0.144 J					0.0568 J					5.10				
PCB TEQ, nd SDL*1					0.288 J					0.105 J					5.16				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					KC-VT-1593					LF-TP-001					LF-FD-001[c]				
Collection Date					5/30/2013					6/19/2013					6/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total PCB Congeners (µg/L)[a]	0.03	10	0.00017	0.000064	0.0000587 CJ					0.00531 CJ			31	83	0.00433 CJ			25	68
Total PCB Congeners (pg/L)[a]					58.7 CJ					5,310 CJ					4,330 CJ				
(pg/L)[b]					156 CJ					5,410 CJ					4,400 CJ				
Total Monochlorobiphenyl (pg/L)[a]					< 2.37 U					3.82					2.48				
Estimated Total Monochlorobiphenyl (pg/L)[b]					< 2.37 U					3.82					9.31 J				
PCB-1					< 2.15 U					< 1.22 U					< 2.61 U				
PCB-2					< 2.48 U					< 1.40 U					2.48 J				
PCB-3					< 2.59 U					3.82 J					< 4.22 U				
Total Dichlorobiphenyl (pg/L)[a]					< 8.37 U					19.9					12.7				
Estimated Total Dichlorobiphenyl (pg/L)[b]					< 8.37 U					51.4					44.6				
PCB-4					< 7.16 U					< 5.35 U					< 5.23 U				
PCB-5					< 8.25 U					< 3.47 U					< 2.92 U				
PCB-6					< 8.20 U					< 3.49 U					< 2.94 U				
PCB-7					< 7.67 U					< 3.26 U					< 2.75 U				
PCB-8					< 7.86 U					6.31 J					4.41 J				
PCB-9					< 8.72 U					< 3.79 U					< 3.20 U				
PCB-10					< 4.53 U					< 3.69 U					< 3.61 U				
PCB-11					< 8.37 U					< 31.5 U					< 31.8 U				
PCB-12/13					< 7.87 CU					< 3.25 CU					< 2.74 CU				
PCB-14					< 6.80 U					< 2.87 U					< 2.42 U				
PCB-15					< 7.56 U					13.6					8.31 J				
Total Trichlorobiphenyl (pg/L)[a]					< 6.33 U					101					55.3				
Estimated Total Trichlorobiphenyl (pg/L)[b]					< 6.33 U					113 J					61.8 J				
PCB-16					< 7.94 U					4.59 J					< 2.07 U				
PCB-17					< 6.21 U					3.73 J					2.41 J				
PCB-18/30					< 5.35 CU					9.27 CJ					5.97 CJ				
PCB-19					< 7.09 U					6.75 J					6.07 J				
PCB-20/28					< 5.29 CU					22.9 C					10.6 CJ				
PCB-21/33					< 5.10 CU					< 9.30 U					4.81 CJ				
PCB-22					< 5.56 U					7.93 J					3.75 J				
PCB-23					< 5.29 U					< 1.83 U					< 1.63 U				
PCB-24					< 4.87 U					< 1.90 U					< 1.35 U				
PCB-25					< 5.13 U					< 2.26 U					< 1.63 U				
PCB-26/29					< 5.20 CU					4.99 CJ					3.01 CJ				
PCB-27					< 4.61 U					5.79 J					5.64 J				
PCB-31					< 4.95 U					15.7					< 6.48 U				
PCB-32					< 4.26 U					8.17 J					6.14 J				
PCB-34					< 5.38 U					< 1.88 U					< 1.67 U				
PCB-35					< 5.67 U					< 1.93 U					< 1.72 U				
PCB-36					< 5.16 U					< 1.80 U					< 1.60 U				
PCB-37					< 5.57 U					11.6					6.88 J				
PCB-38					< 5.48 U					< 1.88 U					< 1.67 U				
PCB-39					< 4.88 U					< 1.71 U					< 1.52 U				
Total Tetrachlorobiphenyl (pg/L)[a]					16.9					425					276				
Estimated Total Tetrachlorobiphenyl (pg/L)[b]					16.9					430					288 J				
PCB-40/71					< 4.45 CU					23.1 C					16.8 CJ				
PCB-41					< 6.02 U					< 2.00 U					< 1.54 U				
PCB-42					< 5.15 U					7.21 J					4.31 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					KC-VT-1593					LF-TP-001					LF-FD-001[c]				
Collection Date					5/30/2013					6/19/2013					6/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-43					< 5.68 U					< 1.98 U					< 1.53 U				
PCB-44/47/65					5.89 CJ					41.1 C					23.5 CJ				
PCB-45					< 5.23 U					9.63					7.87 J				
PCB-46					< 5.69 U					6.36 J					< 4.92 U				
PCB-48					< 4.69 U					3.07 J					< 1.33 U				
PCB-49/69					< 3.86 CU					19.9 C					11.4 CJ				
PCB-50/53					< 4.58 CU					18.9 CJ					15.9 CJ				
PCB-51					< 4.55 U					< 5.50 U					< 3.93 U				
PCB-52					< 11.0 U					138					99.2				
PCB-54					< 3.34 U					< 1.13 U					< 1.08 U				
PCB-55					< 3.60 U					< 1.75 U					< 1.52 U				
PCB-56					< 3.76 U					15.1					10.6				
PCB-57					< 3.55 U					< 1.78 U					< 1.54 U				
PCB-58					< 3.44 U					< 1.73 U					< 1.50 U				
PCB-59/62/75					< 3.42 CU					6.10 CJ					5.80 CJ				
PCB-60					< 3.61 U					5.04 J					< 2.93 U				
PCB-61/70/74/76					< 3.46 CU					62.9 C					34.5 CJ				
PCB-63					< 3.14 U					< 1.59 U					< 1.38 U				
PCB-64					< 3.21 U					24.4					16.3				
PCB-66					< 3.63 U					22.5					14.9				
PCB-67					< 3.30 U					< 1.70 U					< 1.48 U				
PCB-68					< 3.10 U					< 1.61 U					< 1.40 U				
PCB-72					< 3.44 U					< 1.75 U					< 1.52 U				
PCB-73					< 3.49 U					< 1.36 U					< 1.05 U				
PCB-77					< 3.49 U					19.3					13.2				
PCB-78					< 3.84 U					< 1.80 U					< 1.57 U				
PCB-79					< 3.11 U					2.08 J					1.57 J				
PCB-80					< 3.14 U					< 1.54 U					< 1.34 U				
PCB-81					< 3.67 U					< 1.73 U					< 1.51 U				
Total Pentachlorobiphenyl (pg/L)[a]					26.9					1,980					1,580				
Estimated Total Pentachlorobiphenyl (pg/L)[b]					75.5 J					2,000 J					1,590 J				
PCB-82					< 3.33 U					50.4					38.1				
PCB-83					< 3.31 U					21.7					18.9				
PCB-84					< 7.04 U					121					99.0				
PCB-85/116					< 2.44 CU					31.9 C					22.7 C				
PCB-86/87/97/109/119/125					< 7.98 U					172 C					128 C				
PCB-88					< 3.01 U					< 1.82 U					< 1.58 U				
PCB-89					< 3.03 U					< 2.59 U					2.72 J				
PCB-90/101/113					< 14.5 CU					264 C					209 C				
PCB-91					< 2.45 U					34.7					29.6				
PCB-92					< 2.84 U					58.5					49.2				
PCB-93/100					< 2.63 CU					< 2.00 U					< 1.66 U				
PCB-94					< 2.93 U					< 1.68 U					< 1.46 U				
PCB-95					21.8					329					275				
PCB-96					< 2.29 U					< 1.71 U					1.77 J				
PCB-98					< 2.82 U					< 1.91 U					< 1.66 U				
PCB-99					< 2.66 U					73.9					56.0				
PCB-102					< 2.61 U					7.35 J					6.05 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					KC-VT-1593					LF-TP-001					LF-FD-001[c]				
Collection Date					5/30/2013					6/19/2013					6/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-103					< 2.50 U					1.95 J					1.80 J				
PCB-104					< 1.97 U					< 0.564 U					< 0.567 U				
PCB-105					< 2.00 U					85.4					63.9				
PCB-106					< 2.11 U					< 1.25 U					< 1.09 U				
PCB-107					< 1.99 U					15.1					11.3				
PCB-108/124					< 2.13 CU					< 7.05 U					5.26 CJ				
PCB-110					< 19.1 U					536					432				
PCB-111					< 1.96 U					< 1.16 U					< 1.01 U				
PCB-112					< 1.97 U					< 1.19 U					< 1.03 U				
PCB-114					< 1.87 U					< 2.45 U					2.14 J				
PCB-115					< 2.09 U					< 5.34 U					6.19 J				
PCB-117					< 2.12 U					6.63 J					5.90 J				
PCB-118					5.07 J					161					114				
PCB-120					< 1.96 U					< 1.15 U					< 1.00 U				
PCB-121					< 1.98 U					< 1.16 U					< 1.01 U				
PCB-122					< 2.27 U					4.49 J					< 2.85 U				
PCB-123					< 1.88 U					2.90 J					2.48 J				
PCB-126					< 2.86 U					3.94 J					< 3.04 U				
PCB-127					< 2.12 U					< 1.16 U					< 1.02 U				
Total Hexachlorobiphenyl (pg/L)[a]					5.10					1,900					1,620				
Estimated Total Hexachlorobiphenyl (pg/L)[b]					45.7 J					1,910 J					1,620 J				
PCB-128/166					< 2.69 CU					77.8 C					65.1 C				
PCB-129/138/163					< 16.9 CU					470 C					402 C				
PCB-130					< 2.8 U					32.4					26.5				
PCB-131					< 2.74 U					7.04 J					5.59 J				
PCB-132					5.10 J					163					140				
PCB-133					< 2.52 U					6.12 J					4.67 J				
PCB-134					< 2.97 U					25.5					21.4				
PCB-135/151					< 2.45 CU					124 C					109 C				
PCB-136					< 1.64 U					53.7					45.0				
PCB-137					< 2.19 U					21.4					16.7				
PCB-139/140					< 2.30 CU					6.59 CJ					< 4.99 U				
PCB-141					< 2.53 U					76.6					62.8				
PCB-142					< 2.70 U					< 0.875 U					< 0.761 U				
PCB-143					< 2.45 U					2.16 J					< 1.46 U				
PCB-144					< 2.36 U					17.7					15.0				
PCB-145					< 1.61 U					< 0.657 U					< 0.558 U				
PCB-146					< 2.30 U					57.6					49.3				
PCB-147/149					< 13.2 U					323 C					280 C				
PCB-148					< 2.36 U					< 0.822 U					< 0.715 U				
PCB-150					< 1.51 U					< 0.623 U					< 0.529 U				
PCB-152					< 1.54 U					< 0.630 U					< 0.535 U				
PCB-153/168					< 10.5 CU					309 C					260 C				
PCB-154					< 2.11 U					< 3.76 U					3.38 J				
PCB-155					< 1.41 U					< 0.596 U					< 0.506 U				
PCB-156/157					< 2.84 CU					37.2 C					31.6 C				
PCB-158					< 1.74 U					43.7					38.5				
PCB-159					< 2.24 U					3.60 J					< 2.48 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					KC-VT-1593					LF-TP-001					LF-FD-001[c]				
Collection Date					5/30/2013					6/19/2013					6/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-160					< 1.94 U					< 0.652 U					< 0.567 U				
PCB-161					< 1.81 U					< 0.632 U					< 0.550 U				
PCB-162					< 2.24 U					1.19 J					< 0.971 U				
PCB-164					< 1.95 U					30.9					27.1				
PCB-165					< 1.95 U					< 0.706 U					< 0.613 U				
PCB-167					< 2.09 U					14.9					11.8				
PCB-169					< 2.51 U					< 0.973 U					< 0.789 U				
Total Heptachlorobiphenyl (pg/L)[a]					9.66					714					642				
Estimated Total Heptachlorobiphenyl (pg/L)[b]					9.66					727 J					644 J				
PCB-170					< 4.23 U					95.6					78.3				
PCB-171/173					< 4.23 CU					26.2 C					24.8 C				
PCB-172					< 4.12 U					15.6					13.7				
PCB-174					< 4.05 U					100					89.8				
PCB-175					< 3.76 U					< 2.79 U					< 2.40 U				
PCB-176					< 2.09 U					< 9.50 U					9.78				
PCB-177					< 4.26 U					57.7					51.0				
PCB-178					< 3.07 U					19.3					17.6				
PCB-179					< 2.26 U					38.6					33.1				
PCB-180/193					9.66 CJ					180 C					162 C				
PCB-181					< 3.70 U					< 1.16 U					< 0.936 U				
PCB-182					< 3.44 U					< 1.10 U					< 0.884 U				
PCB-183					< 3.42 U					42.0					39.4				
PCB-184					< 2.30 U					< 0.705 U					< 0.741 U				
PCB-185					< 3.74 U					10.1					7.99 J				
PCB-186					< 2.22 U					< 0.662 U					< 0.696 U				
PCB-187					< 3.55 U					103					92.7				
PCB-188					< 2.06 U					< 0.631 U					< 0.663 U				
PCB-189					< 2.89 U					2.71 J					2.38 J				
PCB-190					< 3.07 U					19.4					15.6				
PCB-191					< 3.02 U					4.18 J					3.39 J				
PCB-192					< 3.16 U					< 1.01 U					< 0.81 U				
Total Octachlorobiphenyl (pg/L)[a]					< 2.55 U					155					130				
Estimated Total Octachlorobiphenyl (pg/L)[b]					< 2.55 U					155					133 J				
PCB-194					< 3.23 U					36.0					31.3				
PCB-195					< 3.50 U					15.2					12.4				
PCB-196					< 3.24 U					18.4					16.1				
PCB-197					< 2.19 U					1.84 J					1.43 J				
PCB-198/199					< 3.35 CU					41.4 C					35.5 C				
PCB-200					< 2.43 U					5.24 J					< 3.60 U				
PCB-201					< 2.29 U					4.31 J					3.89 J				
PCB-202					< 2.54 U					8.00 J					6.72 J				
PCB-203					< 3.06 U					22.6					20.8				
PCB-204					< 2.40 U					< 0.775 U					< 0.548 U				
PCB-205					< 2.55 U					1.55 J					1.56 J				
Total Nonachlorobiphenyl (pg/L)[a]					< 4.56 U					12.3					9.03				
Estimated Total Nonachlorobiphenyl (pg/L)[b]					< 4.56 U					12.3					9.03				
PCB-206					< 5.53 U					9.05 J					7.22 J				
PCB-207					< 3.53 U					1.13 J					< 0.939 U				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					KC-VT-1593					LF-TP-001					LF-FD-001[c]				
Collection Date					5/30/2013					6/19/2013					6/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-208					< 3.60 U					2.08 J					1.81 J				
Decachlorobiphenyl (pg/L)					< 2.09 U					< 2.11 U					< 2.11 U				
PCB-209					< 2.09 U					< 2.11 U					< 2.11 U				
PCB TEQ, nd SDL*0					0.00015 J					0.405 J					0.00817 J				
PCB TEQ, nd SDL*0.5					0.182 J					0.420 J					0.172 J				
PCB TEQ, nd SDL*1					0.364 J					0.435 J					0.336 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date					4/19/2013					4/19/2013					4/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total PCB Congeners (µg/L)[a]	0.03	10	0.00017	0.000064	0.0161 CJ			95	252	0.00456 CJ			27	71	0.0036 CJ			21	57
Total PCB Congeners (pg/L)[a]					16,100 CJ					4,560 CJ					3,630 CJ				
(pg/L)[b]					16,200 CJ					4,600 CJ					3,680 CJ				
Total Monochlorobiphenyl (pg/L)[a]					< 0.925 U					7.11					11.1				
Estimated Total Monochlorobiphenyl (pg/L)[b]					< 0.925 U					7.11					11.1				
PCB-1					< 0.865 U					< 0.987 U					1.39 J				
PCB-2					< 0.954 U					3.86 J					5.24 J				
PCB-3					< 0.986 U					3.25 J					4.42 J				
Total Dichlorobiphenyl (pg/L)[a]					444					553					252				
Estimated Total Dichlorobiphenyl (pg/L)[b]					443					558					252				
PCB-4					9.51					< 4.15 U					4.71 J				
PCB-5					< 2.16 U					< 2.69 U					< 1.58 U				
PCB-6					< 2.18 U					< 2.71 U					2.06 J				
PCB-7					< 2.03 U					< 2.53 U					< 1.49 U				
PCB-8					8.46					< 4.43 U					8.91				
PCB-9					< 2.37 U					< 2.94 U					< 1.73 U				
PCB-10					3.10 J					< 2.87 U					< 1.84 U				
PCB-11					291					538					206				
PCB-12/13					5.07 CJ					< 2.52 CU					4.21 CJ				
PCB-14					< 1.79 U					< 2.22 U					< 1.31 U				
PCB-15					127					15.4					25.3				
Total Trichlorobiphenyl (pg/L)[a]					1,570					263					340				
Estimated Total Trichlorobiphenyl (pg/L)[b]					1,570					267 J					340				
PCB-16					79.7					14.6					21.4				
PCB-17					59.6					11.6					14.6				
PCB-18/30					173 C					25.8 C					36.0 C				
PCB-19					63.9					3.21 J					4.43 J				
PCB-20/28					381 C					52.5 C					75.1 C				
PCB-21/33					64.6 C					12.7 CJ					18.6 C				
PCB-22					113					14.8					18.2				
PCB-23					< 1.41 U					< 1.56 U					< 1.60 U				
PCB-24					7.86 J					< 1.38 U					< 1.16 U				
PCB-25					22.3					< 3.53 U					4.93 J				
PCB-26/29					42.9 C					8.07 CJ					10.3 CJ				
PCB-27					44.3					2.86 J					3.83 J				
PCB-31					155					40.0					54.5				
PCB-32					163					11.4					14.8				
PCB-34					< 1.44 U					< 1.60 U					< 1.64 U				
PCB-35					17.5					22.2					9.59				
PCB-36					2.27 J					9.27					3.20 J				
PCB-37					178					34.2					51.0				
PCB-38					< 1.44 U					< 1.60 U					< 1.64 U				
PCB-39					2.68 J					< 1.45 U					< 1.49 U				
Total Tetrachlorobiphenyl (pg/L)[a]					6,400					682					757				
Estimated Total Tetrachlorobiphenyl (pg/L)[b]					6,450 J					668 J					762 J				
PCB-40/71					522 C					39.8 C					58.8 C				
PCB-41					94.0					10.8					16.7				
PCB-42					249					21.0					31.2				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date					4/19/2013					4/19/2013					4/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-43					34.1					3.04 J					4.10 J				
PCB-44/47/65					861 C					80.5 C					108 C				
PCB-45					209					9.55					13.7				
PCB-46					88.3					5.01 J					6.11 J				
PCB-48					160					15.4					22.5				
PCB-49/69					432 C					41.1 C					49.7 C				
PCB-50/53					162 C					8.08 CJ					10.4 CJ				
PCB-51					< 45.2 U					< 3.19 U					< 3.03 U				
PCB-52					1,010					102					107				
PCB-54					2.20 J					< 0.791 U					< 0.819 U				
PCB-55					13.3					2.37 J					1.56 J				
PCB-56					314					40.4					28.8				
PCB-57					3.53 J					< 1.50 U					< 1.24 U				
PCB-58					< 1.49 U					< 1.46 U					< 1.21 U				
PCB-59/62/75					103 C					7.39 CJ					10.4 CJ				
PCB-60					152					22.4					16.1				
PCB-61/70/74/76					851 C					141 C					141 C				
PCB-63					23.7					< 2.40 U					< 2.79 U				
PCB-64					449					34.0					48.3				
PCB-66					556					77.0					66.8				
PCB-67					21.1					2.86 J					4.17 J				
PCB-68					< 1.38 U					< 1.36 U					< 1.13 U				
PCB-72					3.87 J					< 1.48 U					< 1.22 U				
PCB-73					3.39 J					< 1.09 U					< 1.05 U				
PCB-77					78.3					18.0					11.9				
PCB-78					< 1.55 U					< 1.52 U					< 1.26 U				
PCB-79					4.97 J					< 1.34 U					< 1.12 U				
PCB-80					< 1.32 U					< 1.30 U					< 1.08 U				
PCB-81					< 3.49 U					< 1.46 U					< 1.21 U				
Total Pentachlorobiphenyl (pg/L)[a]					3,910					1,080					761				
Estimated Total Pentachlorobiphenyl (pg/L)[b]					3,910					1,080					763 J				
PCB-82					113					26.1					17.5				
PCB-83					38.1					10.9					7.11 J				
PCB-84					199					42.5					28.9				
PCB-85/116					111 C					22.9 C					14.9 CJ				
PCB-86/87/97/109/119/125					448 C					117 C					86.6 C				
PCB-88					< 1.94 U					< 1.53 U					< 1.41 U				
PCB-89					18.6					2.10 J					< 1.65 U				
PCB-90/101/113					537 C					158 C					112 C				
PCB-91					92.7					15.5					12.9				
PCB-92					98.5					27.8					18.1				
PCB-93/100					9.12 CJ					< 1.32 CU					< 1.22 CU				
PCB-94					5.84 J					< 1.42 U					< 1.31 U				
PCB-95					480					120					89.4				
PCB-96					9.27					0.818 J					0.982 J				
PCB-98					< 2.04 U					< 1.61 U					< 1.49 U				
PCB-99					245					56.2					37.4				
PCB-102					29.1					3.80 J					3.59 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date					4/19/2013					4/19/2013					4/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-103					4.27 J					< 1.28 U					< 1.18 U				
PCB-104					< 0.463 U					< 0.548 U					< 0.580 U				
PCB-105					220					74.0					49.9				
PCB-106					< 1.34 U					< 1.06 U					< 0.973 U				
PCB-107					39.5					12.2					8.46				
PCB-108/124					22.0 C					7.15 CJ					4.92 CJ				
PCB-110					704					215					152				
PCB-111					< 1.24 U					< 0.980 U					< 0.904 U				
PCB-112					5.07 J					< 1.00 U					< 0.924 U				
PCB-114					13.2					3.72 J					2.11 J				
PCB-115					12.9					4.69 J					2.89 J				
PCB-117					20.6					< 5.11 U					3.32 J				
PCB-118					407					152					102				
PCB-120					< 1.23 U					< 0.973 U					< 0.897 U				
PCB-121					< 1.24 U					< 0.982 U					< 0.906 U				
PCB-122					9.09					2.96 J					1.77 J				
PCB-123					10.5					2.24 J					1.89 J				
PCB-126					9.92					2.81 J					2.53 J				
PCB-127					< 1.46 U					< 1.07 U					< 0.967 U				
Total Hexachlorobiphenyl (pg/L)[a]					2,420					1,180					902				
Estimated Total Hexachlorobiphenyl (pg/L)[b]					2,440 J					1,180					913 J				
PCB-128/166					83.9 C					38.3 C					28.6 C				
PCB-129/138/163					536 C					291 C					229 C				
PCB-130					43.1					16.2					13.8				
PCB-131					8.00					3.47 J					< 1.86 U				
PCB-132					187					89.9					63.0				
PCB-133					< 8.24 U					< 2.55 U					< 2.05 U				
PCB-134					30.6					14.4					10.4				
PCB-135/151					193 C					82.2 C					64.3 C				
PCB-136					59.3					28.9					19.6				
PCB-137					< 0.789 U					< 0.906 U					< 5.37 U				
PCB-139/140					9.97 CJ					3.86 CJ					2.78 CJ				
PCB-141					98.8					57.0					44.3				
PCB-142					< 0.801 U					< 0.920 U					< 0.885 U				
PCB-143					2.83 J					< 0.914 U					< 0.880 U				
PCB-144					28.5					12.3					9.03				
PCB-145					< 0.464 U					< 0.594 U					< 0.582 U				
PCB-146					89.0					35.9					29.1				
PCB-147/149					453 C					200 C					155 C				
PCB-148					< 0.753 U					< 0.864 U					< 0.832 U				
PCB-150					< 0.440 U					< 0.563 U					< 0.551 U				
PCB-152					< 0.445 U					< 0.569 U					< 0.557 U				
PCB-153/168					417 C					211 C					168 C				
PCB-154					< 5.93 U					< 2.07 U					< 1.85 U				
PCB-155					< 0.421 U					< 0.539 U					< 0.528 U				
PCB-156/157					55.9 C					27.7 C					20.3 C				
PCB-158					46.3					26.7					20.3				
PCB-159					3.86 J					2.76 J					2.10 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date					4/19/2013					4/19/2013					4/19/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-160					1.87 J					< 0.686 U					1.28 J				
PCB-161					< 0.579 U					< 0.664 U					< 0.639 U				
PCB-162					< 3.69 U					< 0.891 U					< 1.27 U				
PCB-164					47.8					25.4					13.9				
PCB-165					< 0.646 U					< 0.742 U					< 0.713 U				
PCB-167					25.1					9.94					7.24 J				
PCB-169					< 3.17 U					< 1.20 U					< 1.53 U				
Total Heptachlorobiphenyl (pg/L)[a]					1,220					656					518				
Estimated Total Heptachlorobiphenyl (pg/L)[b]					1,230 J					673 J					525 J				
PCB-170					119					81.2					62.1				
PCB-171/173					52.7 C					25.8 C					18.1 C				
PCB-172					24.7					13.8					12.3				
PCB-174					196					98.9					73.4				
PCB-175					< 9.04 U					3.59 J					3.17 J				
PCB-176					16.8					9.94					< 6.56 U				
PCB-177					113					53.8					40.4				
PCB-178					24.4					< 14.3 U					12.3				
PCB-179					62.4					34.2					25.4				
PCB-180/193					256 C					170 C					135 C				
PCB-181					< 2.41 U					< 0.977 U					< 1.08 U				
PCB-182					< 2.28 U					< 0.922 U					< 1.02 U				
PCB-183					92.3					40.6					31.8				
PCB-184					< 0.805 U					< 0.685 U					< 0.710 U				
PCB-185					16.1					11.0					7.37 J				
PCB-186					< 0.756 U					< 0.643 U					< 0.666 U				
PCB-187					219					97.3					77.7				
PCB-188					< 0.720 U					< 0.613 U					< 0.634 U				
PCB-189					4.68 J					< 2.52 U					2.11 J				
PCB-190					19.0					16.4					13.5				
PCB-191					< 4.56 U					< 0.806 U					3.35 J				
PCB-192					< 2.09 U					< 0.845 U					< 0.933 U				
Total Octachlorobiphenyl (pg/L)[a]					147					131					77.5				
Estimated Total Octachlorobiphenyl (pg/L)[b]					158 J					132 J					97.7 J				
PCB-194					40.6					33.1					< 20.1 U				
PCB-195					19.5					13.9					9.58				
PCB-196					15.7					14.9					12.4				
PCB-197					1.92 J					< 1.77 U					< 0.678 U				
PCB-198/199					38.1 C					34.2 C					26.1 C				
PCB-200					3.98 J					3.76 J					4.08 J				
PCB-201					7.74 J					4.49 J					3.77 J				
PCB-202					< 11.4 U					7.48 J					6.48 J				
PCB-203					19.0					18.7					15.1				
PCB-204					< 0.972 U					< 0.907 U					< 0.764 U				
PCB-205					< 2.92 U					< 1.44 U					< 1.28 U				
Total Nonachlorobiphenyl (pg/L)[a]					15.9					11.4					12.0				
Estimated Total Nonachlorobiphenyl (pg/L)[b]					19.1 J					11.3					12.0				
PCB-206					15.9 J					9.14					8.80				
PCB-207					< 1.77 UJ					< 1.28 U					0.998 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date					4/19/2013					4/19/2013					4/19/2013				
Analyte	WA WQC Marine		NTR WQC Human Health	NR WQC Human Health	Result	EF				Result	EF				Result	EF			
	Chronic	Acute	Organism	Organism		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO
PCB-208					< 3.30 U					2.21 J					2.21 J				
Decachlorobiphenyl (pg/L)					4.30 J					< 2.29 U					< 2.33 U				
PCB-209					4.30 J					< 2.29 U					< 2.33 U				
PCB TEQ, nd SDL*0					1.02 J					0.291 J					0.260 J				
PCB TEQ, nd SDL*0.5					1.07 J					0.309 J					0.283 J				
PCB TEQ, nd SDL*1					1.12 J					0.327 J					0.306 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date					4/19/2013					3/26/2013					6/26/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total PCB Congeners (µg/L)[a]	0.03	10	0.00017	0.000064	0.00761 CJ			45	119	**0.0826** J	2.8		486	1291	**0.0418** CJ	1.4		246	653
Total PCB Congeners (pg/L)[a]					7,610 CJ					82,600 J					41,800 CJ				
(pg/L)[b]					7,790 CJ					83,000 J					42,000 CJ				
Total Monochlorobiphenyl (pg/L)[a]					< 3.19 U					59.7					175				
Estimated Total Monochlorobiphenyl (pg/L)[b]					< 3.19 U					69.3 J					175				
PCB-1					< 2.75 U					34.8					95.5				
PCB-2					< 3.49 U					< 9.59 U					11.8				
PCB-3					< 3.64 U					24.9					67.9				
Total Dichlorobiphenyl (pg/L)[a]					285					3,120					3,010				
Estimated Total Dichlorobiphenyl (pg/L)[b]					285					3,120					3,010				
PCB-4					< 10.0 U					642					323				
PCB-5					< 7.31 U					20.2					26.9				
PCB-6					< 7.26 U					219					255				
PCB-7					< 6.79 U					37.2					38.6				
PCB-8					12.2					1,200					1,300				
PCB-9					< 7.72 U					74.3					80.7				
PCB-10					< 6.34 U					30.1					17.8				
PCB-11					242					241					159				
PCB-12/13					< 6.97 CU					73.5 C					101 C				
PCB-14					< 6.02 U					< 6.34 U					< 5.46 U				
PCB-15					30.4					582					711				
Total Trichlorobiphenyl (pg/L)[a]					449					15,700					10,800				
Estimated Total Trichlorobiphenyl (pg/L)[b]					472 J					15,700					10,800				
PCB-16					< 22.7 U					1,090					590				
PCB-17					14.9					915					565				
PCB-18/30					44.3 C					2,000 C					1,150 C				
PCB-19					< 8.06 U					232					120				
PCB-20/28					114 C					3,250 C					2,180 C				
PCB-21/33					29.0 C					1,800 C					1,450 C				
PCB-22					28.5					1,240					903				
PCB-23					< 5.84 U					< 10.6 U					< 7.59 U				
PCB-24					< 5.53 U					23.3					23.7				
PCB-25					7.68 J					230					175				
PCB-26/29					18.9 C					533 C					382 C				
PCB-27					< 5.24 U					140					91.9				
PCB-31					75.4					2,780					1,940				
PCB-32					21.2					572					412				
PCB-34					< 5.93 U					< 10.9 U					< 7.71 U				
PCB-35					12.1					55.8					44.7				
PCB-36					< 5.70 U					< 10.4 U					< 7.41 U				
PCB-37					83.4					829					761				
PCB-38					< 6.05 U					< 11.2 U					< 7.86 U				
PCB-39					< 5.39 U					13.8					13.6				
Total Tetrachlorobiphenyl (pg/L)[a]					1,220					26,800					13,000				
Estimated Total Tetrachlorobiphenyl (pg/L)[b]					1,220					26,800					13,100 J				
PCB-40/71					73.2 C					1,800 C					958 C				
PCB-41					21.8					579					308				
PCB-42					38.9					1,090					552				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date					4/19/2013					3/26/2013					6/26/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-43					< 7.10 U					204					88.6				
PCB-44/47/65					138 C					3,970 C					1,730 C				
PCB-45					17.9					745					315				
PCB-46					< 7.11 U					332					139				
PCB-48					28.9					1,020					505				
PCB-49/69					60.5 C					2,090 C					1,000 C				
PCB-50/53					13.7 CJ					629 C					251 C				
PCB-51					< 5.68 U					205					79.4				
PCB-52					142					4,450					1,740				
PCB-54					< 3.91 U					4.86 J					4.94 J				
PCB-55					< 5.82 U					< 38.1 U					31.2				
PCB-56					84.5					822					584				
PCB-57					< 5.73 U					< 26.9 U					9.75				
PCB-58					< 5.57 U					< 26.6 U					< 5.34 U				
PCB-59/62/75					25.2 C					384 C					190 C				
PCB-60					50.4					544					304				
PCB-61/70/74/76					278 C					4,070 C					2,090 C				
PCB-63					5.59 J					81.3					49.0				
PCB-64					63.2					1,540					788				
PCB-66					141					1,880					1,100				
PCB-67					6.23 J					95.8					57.2				
PCB-68					< 5.01 U					< 24.4 U					< 4.81 U				
PCB-72					< 5.57 U					< 25.9 U					< 6.47 U				
PCB-73					< 4.36 U					< 8.89 U					6.41 J				
PCB-77					26.6					244					155				
PCB-78					< 6.21 U					< 29.7 U					< 5.95 U				
PCB-79					< 5.04 U					< 24.1 U					< 4.83 U				
PCB-80					< 5.08 U					< 24.1 U					< 4.87 U				
PCB-81					< 5.93 U					< 28.5 U					9.02 J				
Total Pentachlorobiphenyl (pg/L)[a]					1,400					20,500					7,230				
Estimated Total Pentachlorobiphenyl (pg/L)[b]					1,440 J					20,700 J					7,270 J				
PCB-82					32.5					439					198				
PCB-83					11.2					172					57.6				
PCB-84					50.1					1,060					313				
PCB-85/116					65.5 C					472 C					188 C				
PCB-86/87/97/109/119/125					155 C					2,300 C					794 C				
PCB-88					< 5.35 U					639					< 4.63 U				
PCB-89					< 5.39 U					< 42.3 U					21.9				
PCB-90/101/113					227 C					2,960 C					960 C				
PCB-91					< 17.7 U					< 14.5 U					160				
PCB-92					37.3					533					161				
PCB-93/100					< 4.67 CU					30.8 C					< 14.0 U				
PCB-94					< 5.20 U					28.5					7.72 J				
PCB-95					172					2,740					830				
PCB-96					< 2.41 U					22.4					< 17.4 U				
PCB-98					< 5.01 U					< 20.0 U					< 4.34 U				
PCB-99					82.1					1,330					448				
PCB-102					< 4.64 U					120					63.2				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date					4/19/2013					3/26/2013					6/26/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-103					< 4.44 U					< 16.1 U					7.10 J				
PCB-104					< 2.07 U					< 3.37 U					< 2.34 U				
PCB-105					94.8					1,210					509				
PCB-106					< 3.75 U					< 14.5 U					< 3.25 U				
PCB-107					< 14.2 U					195					73.6				
PCB-108/124					10.5 CJ					< 108 U					48.7 C				
PCB-110					264					3,740					1,280				
PCB-111					< 3.49 U					< 12.8 U					< 3.02 U				
PCB-112					< 3.51 U					< 13.3 U					< 3.04 U				
PCB-114					< 8.71 U					62.2					25.9				
PCB-115					< 3.71 U					< 12.6 U					31.3				
PCB-117					6.51 J					83.3					35.7				
PCB-118					193					2,320					969				
PCB-120					< 3.48 U					< 12.9 U					< 3.01 U				
PCB-121					< 3.51 U					< 12.9 U					< 3.04 U				
PCB-122					< 4.04 U					< 39.0 U					21.0				
PCB-123					< 3.34 U					35.4					19.0				
PCB-126					< 3.97 U					< 50.2 U					9.49 J				
PCB-127					< 3.94 U					< 18.0 U					< 3.38 U				
Total Hexachlorobiphenyl (pg/L)[a]					2,200					11,700					4,560				
Estimated Total Hexachlorobiphenyl (pg/L)[b]					2,240 J					11,800 J					4,610 J				
PCB-128/166					67.5 C					538 C					212 C				
PCB-129/138/163					519 C					2,840 C					1,110 C				
PCB-130					< 24.0 U					210					68.9				
PCB-131					5.72 J					47.5					14.0				
PCB-132					155					1,060					362				
PCB-133					5.72 J					< 11.5 U					< 9.23 U				
PCB-134					24.6					179					58.1				
PCB-135/151					170 C					754 C					279 C				
PCB-136					60.0					229					107				
PCB-137					9.80					158					47.8				
PCB-139/140					< 5.20 U					< 56.1 U					16.3 CJ				
PCB-141					123					492					204				
PCB-142					< 4.96 U					< 12.4 U					< 2.75 U				
PCB-143					< 2.60 U					< 12.3 U					< 2.49 U				
PCB-144					24.8					106					< 39.7 U				
PCB-145					< 2.01 U					< 4.56 U					< 1.82 U				
PCB-146					64.5					353					155				
PCB-147/149					406 C					1,970 C					774 C				
PCB-148					< 2.51 U					< 10.6 U					< 2.40 U				
PCB-150					< 1.89 U					< 4.25 U					< 1.70 U				
PCB-152					< 1.93 U					< 4.26 U					< 1.74 U				
PCB-153/168					414 C					1,820 C					753 C				
PCB-154					3.85 J					< 37.1 U					5.62 J				
PCB-155					< 1.76 U					< 3.94 U					< 1.59 U				
PCB-156/157					41.8 C					374 C					133 C				
PCB-158					47.3					296					115				
PCB-159					< 7.89 U					< 35.5 U					10.9				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date					4/19/2013					3/26/2013					6/26/2013				
Analyte	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
PCB-160					< 2.07 U					< 9.22 U					< 1.98 U				
PCB-161					< 1.92 U					< 8.38 U					< 1.84 U				
PCB-162					< 2.70 U					< 35.4 U					< 3.76 U				
PCB-164					39.1					191					89.8				
PCB-165					< 2.08 U					< 8.87 U					< 1.99 U				
PCB-167					16.9					113					43.0				
PCB-169					< 3.30 U					< 31.2 U					< 4.92 U				
Total Heptachlorobiphenyl (pg/L)[a]					1,670					3,190					2,230				
Estimated Total Heptachlorobiphenyl (pg/L)[b]					1,680 J					3,230 J					2,240 J				
PCB-170					184					443					239				
PCB-171/173					63.8 C					126 C					81.6 C				
PCB-172					35.5					90.6					47.2				
PCB-174					231					409					322				
PCB-175					< 7.49 U					< 18.1 U					12.1				
PCB-176					24.0					< 34.6 U					29.3				
PCB-177					132					220					156				
PCB-178					39.7					69.3					50.1				
PCB-179					84.1					167					115				
PCB-180/193					452 C					862 C					570 C				
PCB-181					< 4.09 U					< 19.0 U					< 5.04 U				
PCB-182					< 3.80 U					< 17.3 U					< 4.68 U				
PCB-183					105					242					166				
PCB-184					< 2.72 U					< 10.4 U					< 2.35 U				
PCB-185					29.3					< 19.0 U					30.5				
PCB-186					< 2.62 U					< 10.1 U					< 2.27 U				
PCB-187					245					472					359				
PCB-188					< 2.44 U					< 9.36 U					< 2.11 U				
PCB-189					8.45					20.2					< 5.81 U				
PCB-190					39.8					71.3					45.6				
PCB-191					< 3.35 U					< 15.5 U					9.32 J				
PCB-192					< 3.49 U					< 16.2 U					< 4.30 U				
Total Octachlorobiphenyl (pg/L)[a]					328					1,270					691				
Estimated Total Octachlorobiphenyl (pg/L)[b]					376 J					1,270					695 J				
PCB-194					94.6					232					150				
PCB-195					49.9					83.1					61.4				
PCB-196					< 37.3 U					153					82.2				
PCB-197					4.98 J					16.1					6.42 J				
PCB-198/199					91.5 C					415 C					188 C				
PCB-200					< 10.8 U					20.7					25.0				
PCB-201					12.2					46.3					27.7				
PCB-202					18.7					92.7					45.3				
PCB-203					51.9					214					105				
PCB-204					< 2.74 U					< 8.97 U					< 2.23 U				
PCB-205					4.48 J					< 16.1 U					< 4.49 U				
Total Nonachlorobiphenyl (pg/L)[a]					14.7					228					112				
Estimated Total Nonachlorobiphenyl (pg/L)[b]					39.6 J					228					112				
PCB-206					< 24.9 U					172					77.4				
PCB-207					8.00 J					< 16.7 U					12.1				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID					NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date					4/19/2013					3/26/2013					6/26/2013				
Analyte	WA WQC		NTR WQC	NR WQC	Result	EF				Result	EF				Result	EF			
	Marine		Human Health	Human Health		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO		WA MC	WA MA	NTR HHO	NR HHO
	Chronic	Acute	Organism	Organism															
PCB-208					6.66 J					55.2					22.2				
Decachlorobiphenyl (pg/L)					40.4					37.9 J					18.1				
PCB-209					40.4					37.9 J					18.1				
PCB TEQ, nd SDL*0					0.0133					0.148					1.02 J				
PCB TEQ, nd SDL*0.5					0.262					3.13					1.09 J				
PCB TEQ, nd SDL*1					0.511					6.11					1.17 J				

Table 6. Water Sample Results – PCB Congeners
NPDES Inspection Sampling Support

a - Total PCBs and total PCB homologs include only congeners that met identification criteria as required by EPA Method1668B.
b - Estimated total PCBs and estimated total PCB homologs include congeners that were identified by SGS Analytical as “estimated maximum possible concentration” or EMPC. The EMPC values were qualified by EcoChem as "U" to indicate the analyte was not detected at an elevated reporting limit that met criteria required by EPA Method1668B. Estimated total PCBs and estimated total PCB homolog values were qualified as estimated (J) where EMPCs were included in the reported totals.

c - This is a field duplicate of the sample directly preceding it.

Results in **bold** exceed the WA WQC Marine Chronic.
Results in ***bold italics*** exceed the WA WQC Marine Acute.
Results that are shaded gray exceed the NTR HHO criteria.
Exceedance Factors (EFs) are presented for detected concentrations that exceed the WA, NTR, or NR WQC.
The EFs are calculated (result/criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR WQC.

< - not detected
µg/L - micrograms per liter
C - coelution
EMPC - estimated maximum possible
J - estimated concentration
nd - non-detect
NPDES - National Pollutant Discharge Elimination System
PCBs - polychlorinated biphenyls
pg/L - picograms per liter
SDL - sample detection limit
TEQ - toxic equivalency
U - not detected

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date						6/5/2013					6/5/2013					4/24/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total Metals (µg/L)																				
Antimony	--	--	--	--	--	2.0 J					2.4 J					0.6				
Arsenic	150	36	69	--	--	4.8					2.0					0.7				
Beryllium	--	--	--	--	--	0.3					< 0.2 U					< 0.2 U				
Cadmium	2.1	9.4	42	--	--	0.2					0.1					< 0.1 U				
Chromium	--	--	--	--	--	41					8.3					< 0.5 U				
Copper	14	3.7	5.8	--	--	***50.6***	14	8.7			***10.9***	2.9	1.9			**4.2**	1.1			
Lead	81.6	8.5	221	--	--	3.8					0.7					0.8				
Mercury	1.4	0.025	2.1	--	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel	--	8.3	75	--	--	**32.4**	3.9				3.9					1.5				
Selenium	5	71	291	--	--	< 0.5 U					< 0.5 U					< 2.0 U				
Silver	3.8	--	2.2	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc	117	86	95	--	--	77					14					19				
Dissolved Metals (µg/L)																				
Antimony		--	--	4,300	640	4.4 J					2.7					0.6				
Arsenic		36	69	--	--	2.6					1.9					< 0.5 U				
Beryllium		--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium		9.3	42	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Chromium		--	--	--	--	11.3					6.1					< 0.5 U				
Copper		3.1	4.8	--	--	2.4					***4.8***	1.5				2.7				
Lead		8.1	210	--	--	< 0.1 U					< 0.1 U					0.5				
Mercury		0.025	1.8	0.15	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel		8.2	74	4,600	4,600	< 0.5 U					0.9					1.2				
Selenium		71	290	--	4,200	0.8					< 0.5 U					< 2.0 U				
Silver		--	1.9	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium		--	--	6.3	0.47	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc		81	90	--	26,000	< 4.0 U					< 4.0 U					12				
PAHs (µg/L)																				
1-Methylnaphthalene		--	--	--	--	< 0.01 U					< 0.01 U					0.016				
2-Chloronaphthalene		--	--	--	1,600	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylnaphthalene		--	--	--	--	< 0.016 U					< 0.01 U					0.029				
Acenaphthene		--	--	--	990	0.012					< 0.01 U					< 0.01 U				
Acenaphthylene		--	--	--	--	< 0.01 U					< 0.01 U					< 0.01 U				
Anthracene		--	--	110,000	40,000	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(a)anthracene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(a)pyrene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(b)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(g,h,i)perylene		--	--	--	--	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(k)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Chrysene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Dibenz(a,h)anthracene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Dibenzofuran		--	--	--	--	0.011					< 0.01 U					< 0.01 U				
Fluoranthene		--	--	370	140	0.021					0.013					< 0.01 U				
Fluorene		--	--	14,000	5,300	0.024					< 0.01 U					0.021				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						CL-MH-SPS						CL-VT-EFF						ES-MH-001					
Collection Date						6/5/2013						6/5/2013						4/24/2013					
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	
Indeno(1,2,3-cd)pyrene		--	--	0.031	0.018	< 0.01 U						< 0.01 U						< 0.01 U					
Naphthalene		--	--	--	--	< 0.02 U						< 0.014 U						< 0.077 U					
Phenanthrene		--	--	--	--	0.059						0.013						< 0.01 U					
Pyrene		--	--	11,000	4,000	0.027						0.015						< 0.01 U					
Total Benzofluoranthenes		--	--	--	--	< 0.02 U						< 0.02 U						< 0.02 U					
Total HPAHs		--	--	--	--	0.048						0.028						< 0.02 U					
Total LPAHs		--	--	--	--	0.095						0.013						0.021					
Total PAHs		--	--	--	--	0.14						0.041						0.021					
cPAHs, nd RL*0		--	--	--	--	< 0 U						< 0 U						< 0 U					
cPAHs, nd RL*0.5		--	--	--	--	< 0.0076 U						< 0.0076 U						< 0.0076 U					
cPAHs, nd RL*1		--	--	--	--	< 0.015 U						< 0.015 U						< 0.015 U					
Phthalates (µg/L)																							
bis(2-Ethylhexyl)phthalate		--	--	5.9	2.2	0.6 J						< 3.0 U						< 1.0 U					
Butylbenzylphthalate		--	--	--	1,900	< 1.0 U						< 1.0 U						< 1.0 U					
Di-n-Butylphthalate		--	--	12,000	4,500	< 1.0 U						< 1.0 U						< 1.0 U					
Diethylphthalate		--	--	120,000	44,000	< 1.0 U						< 1.0 U						< 1.0 U					
Dimethylphthalate		--	--	2,900,000	1,100,000	< 1.0 U						< 1.0 U						< 1.0 U					
Di-n-Octyl phthalate		--	--	--	--	< 1.0 U						< 1.0 U						6.7					
Phenols (µg/L)																							
2,3,4,6-Tetrachlorophenol		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
2,4,5-Trichlorophenol		--	--	--	3,600	< 5.0 U						< 5.0 U						< 5.0 U					
2,4,6-Trichlorophenol		--	--	6.5	2.4	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dichlorophenol		--	--	790	290	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dimethylphenol		--	--	--	850	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dinitrophenol		--	--	14,000	5,300	< 20 U						< 20 U						< 20 U					
2-Chlorophenol		--	--	--	150	< 1.0 U						< 1.0 U						< 1.0 U					
2-Methylphenol		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
2-Nitrophenol		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4,6-Dinitro-2-Methylphenol		--	--	765	280	< 10 U						< 10 U						< 10 U					
4-Chloro-3-methylphenol		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4-Methylphenol		--	--	--	--	< 2.0 U						< 2.0 U						< 2.0 U					
4-Nitrophenol		--	--	--	--	< 10 U						< 10 U						< 10 U					
Pentachlorophenol		7.9	13	8.2	3	**< 10 U**						**< 10 U**						**< 10 U**					
Phenol		--	--	4,600,000	860,000	< 1.0 U						< 1.0 U						< 1.0 U					
Other SVOCs (µg/L)																							
1,2,4-Trichlorobenzene		--	--	--	70	< 1.0 U						< 1.0 U						< 1.0 U					
1,2-Dichlorobenzene		--	--	17,000	1,300	< 1.0 U						< 1.0 U						< 1.0 U					
1,2-Diphenylhydrazine		--	--	0.54	0.2	**< 1.0 U**						**< 1.0 U**						**< 1.0 U**					
1,3-Dichlorobenzene		--	--	2,600	960	< 1.0 U						< 1.0 U						< 1.0 U					
1,4-Dichlorobenzene		--	--	2,600	190	< 1.0 U						< 1.0 U						< 1.0 U					
2,4-Dinitrotoluene		--	--	9.1	3.4	< 3.0 U						< 3.0 U						< 3.0 U					
2,6-Dinitrotoluene		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
2-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
3,3'-Dichlorobenzidine		--	--	0.077	0.028	**< 5.0 U**						**< 5.0 U**						**< 5.0 U**					
3-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4-Bromophenyl-phenylether		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
4-Chloroaniline		--	--	--	--	< 5.0 U						< 5.0 U						< 5.0 U					
4-Chlorophenyl-phenylether		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						CL-MH-SPS						CL-VT-EFF						ES-MH-001					
Collection Date						6/5/2013						6/5/2013						4/24/2013					
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	
4-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
Aniline		--	--	--	--	1.7 J						< 1.0 U						< 1.0 U					
Azobenzene		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Benzoic Acid		--	--	--	--	< 20 U						< 20 U						< 20 U					
Benzyl Alcohol		--	--	--	--	< 2.0 U						< 2.0 U						< 2.0 U					
2,2'-Oxybis(1-Chloropropane)		--	--	170,000	65,000	< 1.0 U						< 1.0 U						< 1.0 U					
bis(2-Chloroethoxy) Methane		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Bis-(2-Chloroethyl) Ether		--	--	1.4	0.53	< 1.0 U						< 1.0 U						< 1.0 U					
Carbazole		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Hexachlorobenzene		--	--	0.00077	0.00029	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
Hexachlorobutadiene		--	--	50	18	< 0.05 U						< 0.05 U						< 0.05 U					
Hexachlorocyclopentadiene		--	--	17,000	1,100	< 5.0 U						< 5.0 U						< 5.0 U					
Hexachloroethane		--	--	8.9	3.3	< 2.0 U						< 2.0 U						< 2.0 U					
Isophorone		--	--	600	960	< 1.0 U						< 1.0 U						< 1.0 U					
Nitrobenzene		--	--	1,900	690	< 1.0 U						< 1.0 U						< 1.0 U					
N-Nitrosodimethylamine		--	--	8.1	3	< 3.0 U						< 3.0 U						< 3.0 U					
N-Nitroso-Di-N-Propylamine		--	--	--	0.51	< 1.0 U						< 1.0 U						< 1.0 U					
N-Nitrosodiphenylamine		--	--	16	6	< 1.0 U						< 1.0 U						< 1.0 U					
PCB Aroclors (µg/L)																							
Aroclor 1016		--	--	--	--	na						na						na					
Aroclor 1221		--	--	--	--	na						na						na					
Aroclor 1232		--	--	--	--	na						na						na					
Aroclor 1242		--	--	--	--	na						na						na					
Aroclor 1248		--	--	--	--	na						na						na					
Aroclor 1254		--	--	--	--	na						na						na					
Aroclor 1260		--	--	--	--	na						na						na					
Aroclor 1262		--	--	--	--	na						na						na					
Aroclor 1268		--	--	--	--	na						na						na					
Total PCB Aroclors		0.03	10	0.00017	0.000064	na						na						na					
Pesticides (µg/L)																							
4,4'-DDD		--	--	0.00084	0.00031	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
4,4'-DDE		--	--	0.00059	0.00022	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
4,4'-DDT		--	--	0.00059	0.00022	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Total DDTs		0.001	0.13	--	--	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Aldrin		--	--	0.00014	0.00005	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
alpha-BHC		--	--	0.013	0.0049	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
beta-BHC		--	--	0.046	0.017	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
cis-Chlordane		--	--	--	--	< 0.05 U						< 0.05 U						< 0.05 U					
delta-BHC		--	--	--	--	< 0.05 U						< 0.05 U						< 0.05 U					
Dieldrin		--	--	0.00014	0.000054	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Endosulfan I		0.0087	0.034	2.0	89	***< 0.05 U***						***< 0.05 U***						***< 0.05 U***					
Endosulfan II		0.0087	0.034	2.0	89	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endosulfan Sulfate		0.0087	0.034	2.0	89	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endrin		0.0023	0.037	0.81	0.06	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endrin Aldehyde		--	--	0.81	0.3	< 0.1 U						< 0.1 U						< 0.1 U					
Endrin Ketone		--	--	--	--	< 0.1 U						< 0.1 U						< 0.1 U					
Heptachlor		0.0036	0.053	0.00021	0.000079	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
Heptachlor Epoxide		--	--	0.00011	0.000039	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						CL-MH-SPS					CL-VT-EFF					ES-MH-001				
Collection Date						6/5/2013					6/5/2013					4/24/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
gamma-BHC (Lindane)		--	0.16	0.063	1.8	< 0.05 U					< 0.05 U					< 0.05 U				
Methoxychlor		--	--	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Toxaphene		0.0002	0.21	0.00075	0.00028	***< 5.0 U***					***< 5.0 U***					***< 5.0 U***				
trans-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Total aldrin/dieldrin		0.0019	0.71	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total Chlordane		0.004	0.09	0.00059	0.00081	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date						4/4/2013					4/10/2013					4/10/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total Metals (µg/L)																				
Antimony	--	--	--	--	--	1.1					4.5					3.7 J				
Arsenic	150	36	69	--	--	0.9					1.0					***99***	2.8	1.4		
Beryllium	--	--	--	--	--	< 0.2 U					< 0.5 U					1.9				
Cadmium	2.1	9.4	42	--	--	< 0.1 U					0.5					5.2				
Chromium	--	--	--	--	--	< 0.5 U					0.9					177				
Copper	14	3.7	5.8	--	--	2.7					***17***	4.6	2.9			***820***	220	140		
Lead	81.6	8.5	221	--	--	0.3					**16.7**	2				***725***	85	3.3		
Mercury	1.4	0.025	2.1	--	--	< 0.02 U					**0.0605 J**	2.4				**0.91 J**	36			
Nickel	--	8.3	75	--	--	3.6					**28.2**	3.4				***268***	32	3.6		
Selenium	5	71	291	--	--	< 0.5 U					< 2.0 U					< 2.0 U				
Silver	3.8	--	2.2	--	--	< 0.2 U					< 0.2 U					1.0				
Thallium	--	--	--	--	--	< 0.2 U					< 0.2 U					0.3				
Zinc	117	86	95	--	--	26					***280 J***	3.3	2.9			***2,340 J***	27	25		
Dissolved Metals (µg/L)																				
Antimony		--	--	4,300	640	1.0					4.2					20.3 J				
Arsenic		36	69	--	--	0.8					1.1					10.4				
Beryllium		--	--	--	--	< 0.2 U					< 0.5 U					< 0.2 U				
Cadmium		9.3	42	--	--	< 0.1 U					0.1					< 0.1 U				
Chromium		--	--	--	--	< 0.5 U					0.5					19.8				
Copper		3.1	4.8	--	--	2.0					1.4					***7.2***	2.3	1.5		
Lead		8.1	210	--	--	< 0.1 U					4.4					0.2				
Mercury		0.025	1.8	0.15	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel		8.2	74	4,600	4,600	3.2					**27.5**	3.4				1.0				
Selenium		71	290	--	4,200	< 0.5 U					< 2.0 U					< 0.5 U				
Silver		--	1.9	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium		--	--	6.3	0.47	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc		81	90	--	26,000	15					71					< 4.0 U				
PAHs (µg/L)																				
1-Methylnaphthalene		--	--	--	--	0.015					< 0.01 U					< 0.2 U				
2-Chloronaphthalene		--	--	--	1,600	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylnaphthalene		--	--	--	--	0.018					< 0.01 U					< 0.2 U				
Acenaphthene		--	--	--	990	0.033					< 0.01 U					< 0.2 U				
Acenaphthylene		--	--	--	--	< 0.01 U					< 0.01 U					< 0.2 U				
Anthracene		--	--	110,000	40,000	< 0.01 U					< 0.01 U					0.81				
Benzo(a)anthracene		--	--	0.031	0.018	< 0.01 U					0.017					**2.2**			71	122
Benzo(a)pyrene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**1.9**			61	106
Benzo(b)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**2.5**			81	139
Benzo(g,h,i)perylene		--	--	--	--	< 0.01 U					< 0.01 U					1.8				
Benzo(k)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**1.2**			39	67
Chrysene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**4.7**			152	261
Dibenz(a,h)anthracene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**0.32**			10	18
Dibenzofuran		--	--	--	--	0.019					< 0.01 U					< 0.2 U				
Fluoranthene		--	--	370	140	0.08					0.018					7.2				
Fluorene		--	--	14,000	5,300	0.027					< 0.01 U					0.23				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date						4/4/2013					4/10/2013					4/10/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Indeno(1,2,3-cd)pyrene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					**1.2**			39	67
Naphthalene		--	--	--	--	0.024					0.036					< 0.2 U				
Phenanthrene		--	--	--	--	0.052					< 0.01 U					1.8				
Pyrene		--	--	11,000	4,000	0.06					0.023					6.6				
Total Benzofluoranthenes		--	--	--	--	< 0.02 U					< 0.02 U					4.7				
Total HPAHs		--	--	--	--	0.14					0.058					31				
Total LPAHs		--	--	--	--	0.14					0.036					2.8				
Total PAHs		--	--	--	--	0.28					0.094					33				
cPAHs, nd RL*0		--	--	--	--	< 0 U					0.0017					2.8				
cPAHs, nd RL*0.5		--	--	--	--	< 0.0076 U					0.0088					2.8				
cPAHs, nd RL*1		--	--	--	--	< 0.015 U					0.016					2.8				
Phthalates (µg/L)																				
bis(2-Ethylhexyl)phthalate		--	--	5.9	2.2	< 1.0 U					< 1.0 U					**7.2**			1.2	3.3
Butylbenzylphthalate		--	--	--	1,900	< 1.0 U					< 1.0 U					< 1.0 U				
Di-n-Butylphthalate		--	--	12,000	4,500	< 1.0 U					< 1.0 U					< 1.0 U				
Diethylphthalate		--	--	120,000	44,000	< 1.0 U					< 1.0 U					< 1.0 U				
Dimethylphthalate		--	--	2,900,000	1,100,000	< 1.0 U					< 1.0 U					< 1.0 U				
Di-n-Octyl phthalate		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Phenols (µg/L)																				
2,3,4,6-Tetrachlorophenol		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
2,4,5-Trichlorophenol		--	--	--	3,600	< 5.0 U					< 5.0 U					< 5.0 U				
2,4,6-Trichlorophenol		--	--	6.5	2.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dichlorophenol		--	--	790	290	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dimethylphenol		--	--	--	850	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dinitrophenol		--	--	14,000	5,300	< 20 U					< 20 U					< 20 U				
2-Chlorophenol		--	--	--	150	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylphenol		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
2-Nitrophenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4,6-Dinitro-2-Methylphenol		--	--	765	280	< 10 U					< 10 U					< 10 U				
4-Chloro-3-methylphenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4-Methylphenol		--	--	--	--	4.7					1.2 J					< 2.0 U				
4-Nitrophenol		--	--	--	--	< 10 U					< 10 U					< 10 U				
Pentachlorophenol		7.9	13	8.2	3	**< 10 U**					**< 10 U**					**< 10 U**				
Phenol		--	--	4,600,000	860,000	0.7 J					< 1.0 U					< 1.0 U				
Other SVOCs (µg/L)																				
1,2,4-Trichlorobenzene		--	--	--	70	< 1.0 U					< 1.0 U					< 1.0 U				
1,2-Dichlorobenzene		--	--	17,000	1,300	< 1.0 U					< 1.0 U					< 1.0 U				
1,2-Diphenylhydrazine		--	--	0.54	0.2	**< 1.0 U**					**< 1.0 U**					**< 1.0 U**				
1,3-Dichlorobenzene		--	--	2,600	960	< 1.0 U					< 1.0 U					< 1.0 U				
1,4-Dichlorobenzene		--	--	2,600	190	< 1.0 U					< 1.0 U					< 1.0 U				
2,4-Dinitrotoluene		--	--	9.1	3.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,6-Dinitrotoluene		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
2-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
3,3'-Dichlorobenzidine		--	--	0.077	0.028	**< 5.0 U**					**< 5.0 U**					**< 5.0 U**				
3-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4-Bromophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
4-Chloroaniline		--	--	--	--	< 5.0 U					< 5.0 U					< 5.0 U				
4-Chlorophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date						4/4/2013					4/10/2013					4/10/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
4-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
Aniline		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Azobenzene		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Benzoic Acid		--	--	--	--	< 20 U					9.9 J					< 20 U				
Benzyl Alcohol		--	--	--	--	< 2.0 U					< 2.0 U					< 2.0 U				
2,2'-Oxybis(1-Chloropropane)		--	--	170,000	65,000	< 1.0 U					< 1.0 U					< 1.0 U				
bis(2-Chloroethoxy) Methane		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Bis-(2-Chloroethyl) Ether		--	--	1.4	0.53	< 1.0 U					< 1.0 U					< 1.0 U				
Carbazole		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Hexachlorobenzene		--	--	0.00077	0.00029	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Hexachlorobutadiene		--	--	50	18	< 0.05 U					< 0.05 U					< 0.05 U				
Hexachlorocyclopentadiene		--	--	17,000	1,100	< 5.0 U					< 5.0 U					< 5.0 U				
Hexachloroethane		--	--	8.9	3.3	< 2.0 U					< 2.0 U					< 2.0 U				
Isophorone		--	--	600	960	< 1.0 U					< 1.0 U					< 1.0 U				
Nitrobenzene		--	--	1,900	690	< 1.0 U					< 1.0 U					< 1.0 U				
N-Nitrosodimethylamine		--	--	8.1	3	< 3.0 U					< 3.0 U					< 3.0 U				
N-Nitroso-Di-N-Propylamine		--	--	--	0.51	< 1.0 U					< 1.0 U					< 1.0 U				
N-Nitrosodiphenylamine		--	--	16	6	< 1.0 U					< 1.0 U					< 1.0 U				
PCB Aroclors (µg/L)																				
Aroclor 1016		--	--	--	--	na					< 0.01 U					< 0.2 U				
Aroclor 1221		--	--	--	--	na					< 0.01 U					< 0.2 U				
Aroclor 1232		--	--	--	--	na					< 0.01 U					< 0.2 U				
Aroclor 1242		--	--	--	--	na					< 0.01 U					< 0.2 U				
Aroclor 1248		--	--	--	--	na					0.024 JN					0.8				
Aroclor 1254		--	--	--	--	na					0.01					0.54				
Aroclor 1260		--	--	--	--	na					0.007 J					0.6				
Aroclor 1262		--	--	--	--	na					< 0.01 U					< 0.2 U				
Aroclor 1268		--	--	--	--	na					< 0.01 U					< 0.2 U				
Total PCB Aroclors		0.03	10	0.00017	0.000064	na					**0.041 JN**	1.4		241	641	**1.9**	63		11,177	29,688
Pesticides (µg/L)																				
4,4'-DDD		--	--	0.00084	0.00031	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDE		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDT		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total DDTs		0.001	0.13	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Aldrin		--	--	0.00014	0.00005	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
alpha-BHC		--	--	0.013	0.0049	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
beta-BHC		--	--	0.046	0.017	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
cis-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
delta-BHC		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Dieldrin		--	--	0.00014	0.000054	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Endosulfan I		0.0087	0.034	2.0	89	***< 0.05 U***					***< 0.05 U***					***< 0.05 U***				
Endosulfan II		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endosulfan Sulfate		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin		0.0023	0.037	0.81	0.06	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin Aldehyde		--	--	0.81	0.3	< 0.1 U					< 0.1 U					< 0.1 U				
Endrin Ketone		--	--	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Heptachlor		0.0036	0.053	0.00021	0.000079	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Heptachlor Epoxide		--	--	0.00011	0.000039	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						GR-MH-01					IM-MH-01					IM-SW-01				
Collection Date						4/4/2013					4/10/2013					4/10/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
gamma-BHC (Lindane)		--	0.16	0.063	1.8	< 0.05 U					< 0.05 U					< 0.05 U				
Methoxychlor		--	--	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Toxaphene		0.0002	0.21	0.00075	0.00028	***< 5.0 U***					***< 5.0 U***					***< 5.0 U***				
trans-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Total aldrin/dieldrin		0.0019	0.71	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total Chlordane		0.004	0.09	0.00059	0.00081	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						KC-VT-1593					LF-TP-001					LF-FD-001				
Collection Date						5/30/2013					6/19/2013					6/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total Metals (µg/L)																				
Antimony	--	--	--	--	--	< 0.2 U					1.5					1.5				
Arsenic	150	36	69	--	--	0.7					2.1					2.0				
Beryllium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium	2.1	9.4	42	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Chromium	--	--	--	--	--	2.0					3.3					3.2				
Copper	14	3.7	5.8	--	--	***27.8***	7.4	4.8			**5.0**	1.3				**4.9**	1.3			
Lead	81.6	8.5	221	--	--	0.2					1.3					1.3				
Mercury	1.4	0.025	2.1	--	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel	--	8.3	75	--	--	7.9					1.6					1.6				
Selenium	5	71	291	--	--	< 0.5 U					0.7					0.7				
Silver	3.8	--	2.2	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc	117	86	95	--	--	11					12					12				
Dissolved Metals (µg/L)																				
Antimony		--	--	4,300	640	< 0.2 U					1.4					1.5				
Arsenic		36	69	--	--	0.6					1.5					1.5				
Beryllium		--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium		9.3	42	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Chromium		--	--	--	--	1.0					1.4					1.4				
Copper		3.1	4.8	--	--	***26.1***	8.4	5.4			**3.5**	1.1				**3.4**	1.1			
Lead		8.1	210	--	--	0.1					< 0.1 U					< 0.1 U				
Mercury		0.025	1.8	0.15	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel		8.2	74	4,600	4,600	7.8					1.4					1.4				
Selenium		71	290	--	4,200	< 0.5 U					0.6					0.6				
Silver		--	1.9	--	--	< 0.2 U					< 0.2 UJ					< 0.2 UJ				
Thallium		--	--	6.3	0.47	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc		81	90	--	26,000	10					6.0					5.0				
PAHs (µg/L)																				
1-Methylnaphthalene		--	--	--	--	0.088					< 0.01 U					< 0.01 U				
2-Chloronaphthalene		--	--	--	1,600	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylnaphthalene		--	--	--	--	0.018					< 0.01 U					< 0.01 U				
Acenaphthene		--	--	--	990	3.5					< 0.01 U					< 0.01 U				
Acenaphthylene		--	--	--	--	0.047					< 0.01 U					< 0.01 U				
Anthracene		--	--	110,000	40,000	0.074					< 0.01 U					< 0.01 U				
Benzo(a)anthracene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(a)pyrene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(b)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(g,h,i)perylene		--	--	--	--	< 0.01 U					< 0.01 U					< 0.01 U				
Benzo(k)fluoranthene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Chrysene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Dibenz(a,h)anthracene		--	--	0.031	0.018	< 0.01 U					< 0.01 U					< 0.01 U				
Dibenzofuran		--	--	--	--	0.7 J					< 0.01 U					< 0.01 U				
Fluoranthene		--	--	370	140	0.28					< 0.01 U					< 0.01 U				
Fluorene		--	--	14,000	5,300	1.0					< 0.01 U					< 0.01 U				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						KC-VT-1593						LF-TP-001						LF-FD-001					
Collection Date						5/30/2013						6/19/2013						6/19/2013					
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	
Indeno(1,2,3-cd)pyrene		--	--	0.031	0.018	< 0.01 U						< 0.01 U						< 0.01 U					
Naphthalene		--	--	--	--	0.072						< 0.01 U						< 0.01 U					
Phenanthrene		--	--	--	--	0.083						< 0.01 U						< 0.01 U					
Pyrene		--	--	11,000	4,000	0.2						< 0.01 U						< 0.01 U					
Total Benzofluoranthenes		--	--	--	--	< 0.02 U						< 0.02 U						< 0.02 U					
Total HPAHs		--	--	--	--	0.48						< 0.02 U						< 0.02 U					
Total LPAHs		--	--	--	--	4.8						< 0.01 U						< 0.01 U					
Total PAHs		--	--	--	--	5.3						< 0.02 U						< 0.02 U					
cPAHs, nd RL*0		--	--	--	--	< 0 U						< 0 U						< 0 U					
cPAHs, nd RL*0.5		--	--	--	--	< 0.0076 U						< 0.0076 U						< 0.0076 U					
cPAHs, nd RL*1		--	--	--	--	< 0.015 U						< 0.015 U						< 0.015 U					
Phthalates (µg/L)																							
bis(2-Ethylhexyl)phthalate		--	--	5.9	2.2	< 3.0 U						< 3.0 U						< 3.0 U					
Butylbenzylphthalate		--	--	--	1,900	< 1.0 U						< 1.0 U						< 1.0 U					
Di-n-Butylphthalate		--	--	12,000	4,500	< 1.0 U						< 1.0 U						< 1.0 U					
Diethylphthalate		--	--	120,000	44,000	< 1.0 U						< 1.0 U						< 1.0 U					
Dimethylphthalate		--	--	2,900,000	1,100,000	< 1.0 U						< 1.0 U						< 1.0 U					
Di-n-Octyl phthalate		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Phenols (µg/L)																							
2,3,4,6-Tetrachlorophenol		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
2,4,5-Trichlorophenol		--	--	--	3,600	< 5.0 U						< 5.0 U						< 5.0 U					
2,4,6-Trichlorophenol		--	--	6.5	2.4	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dichlorophenol		--	--	790	290	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dimethylphenol		--	--	--	850	< 3.0 U						< 3.0 U						< 3.0 U					
2,4-Dinitrophenol		--	--	14,000	5,300	< 20 U						< 20 U						< 20 U					
2-Chlorophenol		--	--	--	150	< 1.0 U						< 1.0 U						< 1.0 U					
2-Methylphenol		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
2-Nitrophenol		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4,6-Dinitro-2-Methylphenol		--	--	765	280	< 10 U						< 10 U						< 10 U					
4-Chloro-3-methylphenol		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4-Methylphenol		--	--	--	--	< 2.0 U						< 2.0 U						< 2.0 U					
4-Nitrophenol		--	--	--	--	< 10 U						< 10 U						< 10 U					
Pentachlorophenol		7.9	13	8.2	3	**< 10 U**						**< 10 U**						**< 10 U**					
Phenol		--	--	4,600,000	860,000	< 1.0 U						< 1.0 U						< 1.0 U					
Other SVOCs (µg/L)																							
1,2,4-Trichlorobenzene		--	--	--	70	< 1.0 U						< 1.0 U						< 1.0 U					
1,2-Dichlorobenzene		--	--	17,000	1,300	< 1.0 U						< 1.0 U						< 1.0 U					
1,2-Diphenylhydrazine		--	--	0.54	0.2	**< 1.0 U**						R						R					
1,3-Dichlorobenzene		--	--	2,600	960	< 1.0 U						< 1.0 U						< 1.0 U					
1,4-Dichlorobenzene		--	--	2,600	190	< 1.0 U						< 1.0 U						< 1.0 U					
2,4-Dinitrotoluene		--	--	9.1	3.4	< 3.0 U						< 3.0 U						< 3.0 U					
2,6-Dinitrotoluene		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
2-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
3,3'-Dichlorobenzidine		--	--	0.077	0.028	**< 5.0 U**						**< 5.0 U**						**< 5.0 U**					
3-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
4-Bromophenyl-phenylether		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
4-Chloroaniline		--	--	--	--	< 5.0 U						< 5.0 U						< 5.0 U					
4-Chlorophenyl-phenylether		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						KC-VT-1593						LF-TP-001						LF-FD-001					
Collection Date						5/30/2013						6/19/2013						6/19/2013					
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO		Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	
4-Nitroaniline		--	--	--	--	< 3.0 U						< 3.0 U						< 3.0 U					
Aniline		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Azobenzene		--	--	--	--	< 1.0 U						R						R					
Benzoic Acid		--	--	--	--	< 20 U						< 20 U						< 20.0 U					
Benzyl Alcohol		--	--	--	--	< 2.0 U						< 2.0 U						< 2.0 U					
2,2'-Oxybis(1-Chloropropane)		--	--	170,000	65,000	< 1.0 U						< 1.0 U						< 1.0 U					
bis(2-Chloroethoxy) Methane		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Bis-(2-Chloroethyl) Ether		--	--	1.4	0.53	< 1.0 U						< 1.0 U						< 1.0 U					
Carbazole		--	--	--	--	< 1.0 U						< 1.0 U						< 1.0 U					
Hexachlorobenzene		--	--	0.00077	0.00029	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
Hexachlorobutadiene		--	--	50	18	< 0.05 U						< 0.05 U						< 0.05 U					
Hexachlorocyclopentadiene		--	--	17,000	1,100	< 5.0 U						< 5.0 U						< 5.0 U					
Hexachloroethane		--	--	8.9	3.3	< 2.0 U						< 2.0 U						< 2.0 U					
Isophorone		--	--	600	960	< 1.0 U						< 1.0 U						< 1.0 U					
Nitrobenzene		--	--	1,900	690	< 1.0 U						< 1.0 U						< 1.0 U					
N-Nitrosodimethylamine		--	--	8.1	3	< 3.0 U						< 3.0 U						< 3.0 U					
N-Nitroso-Di-N-Propylamine		--	--	--	0.51	< 1.0 U						< 1.0 U						< 1.0 U					
N-Nitrosodiphenylamine		--	--	16	6	< 1.0 U						< 1.0 U						< 1.0 U					
PCB Aroclors (µg/L)																							
Aroclor 1016		--	--	--	--	na						na						na					
Aroclor 1221		--	--	--	--	na						na						na					
Aroclor 1232		--	--	--	--	na						na						na					
Aroclor 1242		--	--	--	--	na						na						na					
Aroclor 1248		--	--	--	--	na						na						na					
Aroclor 1254		--	--	--	--	na						na						na					
Aroclor 1260		--	--	--	--	na						na						na					
Aroclor 1262		--	--	--	--	na						na						na					
Aroclor 1268		--	--	--	--	na						na						na					
Total PCB Aroclors		0.03	10	0.00017	0.000064	na						na						na					
Pesticides (µg/L)																							
4,4'-DDD		--	--	0.00084	0.00031	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
4,4'-DDE		--	--	0.00059	0.00022	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
4,4'-DDT		--	--	0.00059	0.00022	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Total DDTs		0.001	0.13	--	--	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Aldrin		--	--	0.00014	0.00005	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
alpha-BHC		--	--	0.013	0.0049	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
beta-BHC		--	--	0.046	0.017	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
cis-Chlordane		--	--	--	--	< 0.05 U						< 0.05 U						< 0.05 U					
delta-BHC		--	--	--	--	< 0.05 U						< 0.05 UJ						< 0.05 UJ					
Dieldrin		--	--	0.00014	0.000054	**< 0.1 U**						**< 0.1 U**						**< 0.1 U**					
Endosulfan I		0.0087	0.034	2.0	89	***< 0.05 U***						***< 0.05 U***						***< 0.05 U***					
Endosulfan II		0.0087	0.034	2.0	89	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endosulfan Sulfate		0.0087	0.034	2.0	89	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endrin		0.0023	0.037	0.81	0.06	***< 0.1 U***						***< 0.1 U***						***< 0.1 U***					
Endrin Aldehyde		--	--	0.81	0.3	< 0.1 U						< 0.1 U						< 0.1 U					
Endrin Ketone		--	--	--	--	< 0.1 U						< 0.1 U						< 0.1 U					
Heptachlor		0.0036	0.053	0.00021	0.000079	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					
Heptachlor Epoxide		--	--	0.00011	0.000039	**< 0.05 U**						**< 0.05 U**						**< 0.05 U**					

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						KC-VT-1593					LF-TP-001					LF-FD-001				
Collection Date						5/30/2013					6/19/2013					6/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
gamma-BHC (Lindane)		--	0.16	0.063	1.8	< 0.05 U					< 0.05 U					< 0.05 U				
Methoxychlor		--	--	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Toxaphene		0.0002	0.21	0.00075	0.00028	***< 5.0 U***					***< 5.0 U***					***< 5.0 U***				
trans-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Total aldrin/dieldrin		0.0019	0.71	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total Chlordane		0.004	0.09	0.00059	0.00081	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date						4/19/2013					4/19/2013					4/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total Metals (µg/L)																				
Antimony	--	--	--	--	--	0.3					0.3					0.5				
Arsenic	150	36	69	--	--	3.4					0.7					0.8				
Beryllium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium	2.1	9.4	42	--	--	0.2					< 0.1 U					0.2				
Chromium	--	--	--	--	--	12					3.6					2.4				
Copper	14	3.7	5.8	--	--	***35.1***	9.4	6.1			***7.1***	1.9	1.2			***8.3***	2.2	1.4		
Lead	81.6	8.5	221	--	--	**11.2**	1.3				8.5					5.9				
Mercury	1.4	0.025	2.1	--	--	0.0227					< 0.02 U					< 0.02 U				
Nickel	--	8.3	75	--	--	**14.6**	1.8				1.8					1.7				
Selenium	5	71	291	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Silver	3.8	--	2.2	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc	117	86	95	--	--	***175***	2	1.8			***138***	1.6	1.5			***125***	1.5	1.3		
Dissolved Metals (µg/L)																				
Antimony		--	--	4,300	640	0.2					< 0.2 U					0.3				
Arsenic		36	69	--	--	0.8					0.4					0.4				
Beryllium		--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium		9.3	42	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Chromium		--	--	--	--	1.0					0.6					< 0.5 U				
Copper		3.1	4.8	--	--	2.6					1.5					2.1				
Lead		8.1	210	--	--	< 0.1 U					0.2					< 0.1 U				
Mercury		0.025	1.8	0.15	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel		8.2	74	4,600	4,600	< 0.5 U					< 0.5 U					< 0.5 U				
Selenium		71	290	--	4,200	< 0.5 U					< 0.5 U					< 0.5 U				
Silver		--	1.9	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Thallium		--	--	6.3	0.47	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc		81	90	--	26,000	5.0 J					39 J					47 J				
PAHs (µg/L)																				
1-Methylnaphthalene		--	--	--	--	< 0.05 U					< 0.01 U					0.013				
2-Chloronaphthalene		--	--	--	1,600	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylnaphthalene		--	--	--	--	< 0.05 U					< 0.01 U					0.019				
Acenaphthene		--	--	--	990	< 0.05 U					< 0.01 U					0.013				
Acenaphthylene		--	--	--	--	< 0.05 U					< 0.01 U					< 0.01 U				
Anthracene		--	--	110,000	40,000	< 0.05 U					< 0.01 U					0.02				
Benzo(a)anthracene		--	--	0.031	0.018	**0.099**			3.2	5.5	0.02				1.1	0.028				1.6
Benzo(a)pyrene		--	--	0.031	0.018	**0.2**			6.5	11	0.015					0.021				1.2
Benzo(b)fluoranthene		--	--	0.031	0.018	**0.27**			8.7	15	0.027				1.5	**0.033**			1.1	1.8
Benzo(g,h,i)perylene		--	--	--	--	0.21					0.036					0.032				
Benzo(k)fluoranthene		--	--	0.031	0.018	**0.11**			3.5	6.1	< 0.01 U					0.016				
Chrysene		--	--	0.031	0.018	**0.32**			10	18	**0.067**			2.2	3.7	**0.082**			2.6	4.6
Dibenz(a,h)anthracene		--	--	0.031	0.018	**< 0.05 U**					< 0.01 U					< 0.01 U				
Dibenzofuran		--	--	--	--	< 0.05 U					< 0.01 U					0.022				
Fluoranthene		--	--	370	140	0.22					0.1					0.13				
Fluorene		--	--	14,000	5,300	< 0.05 U					0.01					0.028				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date						4/19/2013					4/19/2013					4/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Indeno(1,2,3-cd)pyrene		--	--	0.031	0.018	**0.14**			4.5	7.8	0.01					0.015				
Naphthalene		--	--	--	--	< 0.05 U					< 0.03 U					< 0.076 U				
Phenanthrene		--	--	--	--	0.06					0.075					0.089				
Pyrene		--	--	11,000	4,000	0.5 J					0.099					0.1				
Total Benzofluoranthenes		--	--	--	--	0.49					0.046					0.061				
Total HPAHs		--	--	--	--	2.2 J					0.39					0.47				
Total LPAHs		--	--	--	--	0.06					0.085					0.15				
Total PAHs		--	--	--	--	2.2 J					0.48					0.62				
cPAHs, nd RL*0		--	--	--	--	0.28					0.023					0.032				
cPAHs, nd RL*0.5		--	--	--	--	0.28					0.024					0.033				
cPAHs, nd RL*1		--	--	--	--	0.28					0.024					0.033				
Phthalates (µg/L)																				
bis(2-Ethylhexyl)phthalate		--	--	5.9	2.2	1.9					< 1.0 U					3.1				1.4
Butylbenzylphthalate		--	--	--	1,900	< 1.0 U					< 1.0 U					< 1.0 U				
Di-n-Butylphthalate		--	--	12,000	4,500	< 1.0 U					< 1.0 U					1.3				
Diethylphthalate		--	--	120,000	44,000	< 1.0 U					< 1.0 U					< 1.0 U				
Dimethylphthalate		--	--	2,900,000	1,100,000	< 1.0 U					< 1.0 U					< 1.0 U				
Di-n-Octyl phthalate		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Phenols (µg/L)																				
2,3,4,6-Tetrachlorophenol		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
2,4,5-Trichlorophenol		--	--	--	3,600	< 5.0 U					< 5.0 U					< 5.0 U				
2,4,6-Trichlorophenol		--	--	6.5	2.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dichlorophenol		--	--	790	290	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dimethylphenol		--	--	--	850	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dinitrophenol		--	--	14,000	5,300	< 20 U					< 20 U					< 20 U				
2-Chlorophenol		--	--	--	150	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylphenol		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
2-Nitrophenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4,6-Dinitro-2-Methylphenol		--	--	765	280	< 10 U					< 10 U					< 10 U				
4-Chloro-3-methylphenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4-Methylphenol		--	--	--	--	< 2.0 U					< 2.0 U					< 2.0 U				
4-Nitrophenol		--	--	--	--	< 10 U					< 10 U					< 10 U				
Pentachlorophenol		7.9	13	8.2	3	**< 10 U**					**< 10 U**					**< 10 U**				
Phenol		--	--	4,600,000	860,000	< 1.0 U					< 1.0 U					< 1.0 U				
Other SVOCs (µg/L)																				
1,2,4-Trichlorobenzene		--	--	--	70	< 1.0 U					< 1.0 U					< 1.0 U				
1,2-Dichlorobenzene		--	--	17,000	1,300	< 1.0 U					< 1.0 U					< 1.0 U				
1,2-Diphenylhydrazine		--	--	0.54	0.2	**< 1.0 U**					**< 1.0 U**					**< 1.0 U**				
1,3-Dichlorobenzene		--	--	2,600	960	< 1.0 U					< 1.0 U					< 1.0 U				
1,4-Dichlorobenzene		--	--	2,600	190	< 1.0 U					< 1.0 U					< 1.0 U				
2,4-Dinitrotoluene		--	--	9.1	3.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,6-Dinitrotoluene		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
2-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
3,3'-Dichlorobenzidine		--	--	0.077	0.028	**< 5.0 U**					**< 5.0 U**					**< 5.0 U**				
3-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4-Bromophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
4-Chloroaniline		--	--	--	--	< 5.0 U					< 5.0 U					< 5.0 U				
4-Chlorophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date						4/19/2013					4/19/2013					4/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
4-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
Aniline		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Azobenzene		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Benzoic Acid		--	--	--	--	< 20 U					< 20 U					< 20 U				
Benzyl Alcohol		--	--	--	--	< 2.0 U					< 2.0 U					< 2.0 U				
2,2'-Oxybis(1-Chloropropane)		--	--	170,000	65,000	< 1.0 U					< 1.0 U					< 1.0 U				
bis(2-Chloroethoxy) Methane		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Bis-(2-Chloroethyl) Ether		--	--	1.4	0.53	< 1.0 U					< 1.0 U					< 1.0 U				
Carbazole		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Hexachlorobenzene		--	--	0.00077	0.00029	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Hexachlorobutadiene		--	--	50	18	< 0.05 U					< 0.05 U					< 0.05 U				
Hexachlorocyclopentadiene		--	--	17,000	1,100	< 5.0 U					< 5.0 U					< 5.0 U				
Hexachloroethane		--	--	8.9	3.3	< 2.0 U					< 2.0 U					< 2.0 U				
Isophorone		--	--	600	960	< 1.0 U					< 1.0 U					< 1.0 U				
Nitrobenzene		--	--	1,900	690	< 1.0 U					< 1.0 U					< 1.0 U				
N-Nitrosodimethylamine		--	--	8.1	3	< 3.0 U					< 3.0 U					< 3.0 U				
N-Nitroso-Di-N-Propylamine		--	--	--	0.51	< 1.0 U					< 1.0 U					< 1.0 U				
N-Nitrosodiphenylamine		--	--	16	6	< 1.0 U					< 1.0 U					< 1.0 U				
PCB Aroclors (µg/L)																				
Aroclor 1016		--	--	--	--	na					na					na				
Aroclor 1221		--	--	--	--	na					na					na				
Aroclor 1232		--	--	--	--	na					na					na				
Aroclor 1242		--	--	--	--	na					na					na				
Aroclor 1248		--	--	--	--	na					na					na				
Aroclor 1254		--	--	--	--	na					na					na				
Aroclor 1260		--	--	--	--	na					na					na				
Aroclor 1262		--	--	--	--	na					na					na				
Aroclor 1268		--	--	--	--	na					na					na				
Total PCB Aroclors		0.03	10	0.00017	0.000064	na					na					na				
Pesticides (µg/L)																				
4,4'-DDD		--	--	0.00084	0.00031	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDE		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDT		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total DDTs		0.001	0.13	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Aldrin		--	--	0.00014	0.00005	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
alpha-BHC		--	--	0.013	0.0049	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
beta-BHC		--	--	0.046	0.017	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
cis-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
delta-BHC		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Dieldrin		--	--	0.00014	0.000054	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Endosulfan I		0.0087	0.034	2.0	89	***< 0.05 U***					***< 0.05 U***					***< 0.05 U***				
Endosulfan II		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endosulfan Sulfate		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin		0.0023	0.037	0.81	0.06	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin Aldehyde		--	--	0.81	0.3	< 0.1 U					< 0.1 U					< 0.1 U				
Endrin Ketone		--	--	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Heptachlor		0.0036	0.053	0.00021	0.000079	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Heptachlor Epoxide		--	--	0.00011	0.000039	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-MH-682					NS-OF-002					NS-OF-006				
Collection Date						4/19/2013					4/19/2013					4/19/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
gamma-BHC (Lindane)		--	0.16	0.063	1.8	< 0.05 U					< 0.05 U					< 0.05 U				
Methoxychlor		--	--	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Toxaphene		0.0002	0.21	0.00075	0.00028	***< 5.0 U***					***< 5.0 U***					***< 5.0 U***				
trans-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Total aldrin/dieldrin		0.0019	0.71	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total Chlordane		0.004	0.09	0.00059	0.00081	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date						4/19/2013					3/26/2013					6/26/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Total Metals (µg/L)																				
Antimony	--	--	--	--	--	0.9					0.6					6.0				
Arsenic	150	36	69	--	--	5.1					1.0					2.0				
Beryllium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium	2.1	9.4	42	--	--	0.3					0.5					0.6				
Chromium	--	--	--	--	--	18					2.3					4.5				
Copper	14	3.7	5.8	--	--	***25***	6.7	4.3			***14***	3.7	2.4			***21.9***	5.9	3.8		
Lead	81.6	8.5	221	--	--	**51.4**	6				**8.6**	1				**13.3**	1.6			
Mercury	1.4	0.025	2.1	--	--	**0.137**	5.5				< 0.02 U					**0.0433**	1.7			
Nickel	--	8.3	75	--	--	7.5					3.2					**14.4**	1.7			
Selenium	5	71	291	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Silver	3.8	--	2.2	--	--	< 0.2 U					< 0.2 U					< 0.2 UJ				
Thallium	--	--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc	117	86	95	--	--	***650***	7.6	6.8			***100 J***	1.2	1.1			***490***	5.7	5.2		
Dissolved Metals (µg/L)																				
Antimony		--	--	4,300	640	0.5					0.2					5.9				
Arsenic		36	69	--	--	0.4					0.6					1.6				
Beryllium		--	--	--	--	< 0.2 U					< 0.2 U					< 0.2 U				
Cadmium		9.3	42	--	--	< 0.1 U					< 0.1 U					0.4				
Chromium		--	--	--	--	2.9					< 0.5 U					1.5				
Copper		3.1	4.8	--	--	**3.4**	1.1				2.6					***10.5***	3.4	2.2		
Lead		8.1	210	--	--	0.3					< 0.1 U					0.9				
Mercury		0.025	1.8	0.15	--	< 0.02 U					< 0.02 U					< 0.02 U				
Nickel		8.2	74	4,600	4,600	1.0					1.2					**12.4**	1.5			
Selenium		71	290	--	4,200	< 0.5 U					< 0.5 U					< 0.5 U				
Silver		--	1.9	--	--	< 0.2 U					< 0.2 U					< 0.2 UJ				
Thallium		--	--	6.3	0.47	< 0.2 U					< 0.2 U					< 0.2 U				
Zinc		81	90	--	26,000	65 J					38					***370***	4.6	4.1		
PAHs (µg/L)																				
1-Methylnaphthalene		--	--	--	--	< 0.01 U					< 0.05 U					0.01 J				
2-Chloronaphthalene		--	--	--	1,600	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylnaphthalene		--	--	--	--	0.012					< 0.05 U					< 0.012 U				
Acenaphthene		--	--	--	990	< 0.01 U					< 0.05 U					0.018				
Acenaphthylene		--	--	--	--	< 0.01 U					< 0.05 U					< 0.01 U				
Anthracene		--	--	110,000	40,000	0.017					< 0.05 U					0.024				
Benzo(a)anthracene		--	--	0.031	0.018	**0.034**			1.1	1.9	**< 0.05 U**					**0.055**			1.8	3.1
Benzo(a)pyrene		--	--	0.031	0.018	0.021				1.2	**< 0.05 U**					0.026				1.4
Benzo(b)fluoranthene		--	--	0.031	0.018	**0.042**			1.4	2.3	**0.054**			1.7	3	0.031				1.7
Benzo(g,h,i)perylene		--	--	--	--	0.034					0.05					0.022				
Benzo(k)fluoranthene		--	--	0.031	0.018	0.017					**< 0.05 U**					0.017				
Chrysene		--	--	0.031	0.018	**0.11**			3.5	6.1	**< 0.05 U**					**0.075**			2.4	4.2
Dibenz(a,h)anthracene		--	--	0.031	0.018	< 0.01 U					**< 0.05 U**					< 0.01 U				
Dibenzofuran		--	--	--	--	0.015					< 0.05 U					0.012				
Fluoranthene		--	--	370	140	0.19					0.064					0.15				
Fluorene		--	--	14,000	5,300	0.024					< 0.05 U					0.028				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date						4/19/2013					3/26/2013					6/26/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
Indeno(1,2,3-cd)pyrene		--	--	0.031	0.018	0.016					**< 0.05 U**					0.011				
Naphthalene		--	--	--	--	< 0.035 U					< 0.05 U					< 0.017 U				
Phenanthrene		--	--	--	--	0.15					0.065					0.084				
Pyrene		--	--	11,000	4,000	0.16					0.088					0.13				
Total Benzofluoranthenes		--	--	--	--	0.074					< 0.1 U					0.06				
Total HPAHs		--	--	--	--	0.64					0.2					0.53				
Total LPAHs		--	--	--	--	0.19					0.065					0.15				
Total PAHs		--	--	--	--	0.83					0.27					0.68				
cPAHs, nd RL*0		--	--	--	--	0.035					< 0 U					0.039				
cPAHs, nd RL*0.5		--	--	--	--	0.035					< 0.038 U					0.04				
cPAHs, nd RL*1		--	--	--	--	0.036					< 0.076 U					0.04				
Phthalates (µg/L)																				
bis(2-Ethylhexyl)phthalate		--	--	5.9	2.2	2.5				1.1	**17**			2.9	7.7	**14**			2.4	6.4
Butylbenzylphthalate		--	--	--	1,900	< 1.0 U					< 1.0 U					< 1.0 U				
Di-n-Butylphthalate		--	--	12,000	4,500	< 1.0 U					< 1.0 U					0.8 J				
Diethylphthalate		--	--	120,000	44,000	< 1.0 U					< 1.0 U					< 0.8 U				
Dimethylphthalate		--	--	2,900,000	1,100,000	< 1.0 U					< 1.0 U					1.0				
Di-n-Octyl phthalate		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Phenols (µg/L)																				
2,3,4,6-Tetrachlorophenol		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
2,4,5-Trichlorophenol		--	--	--	3,600	< 5.0 U					< 5.0 U					< 5.0 U				
2,4,6-Trichlorophenol		--	--	6.5	2.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,4-Dichlorophenol		--	--	790	290	< 3.0 U					< 3.0 U					< 3.0 UJ				
2,4-Dimethylphenol		--	--	--	850	< 3.0 U					< 3.0 U					< 3.0 UJ				
2,4-Dinitrophenol		--	--	14,000	5,300	< 20 U					< 20 U					< 20 U				
2-Chlorophenol		--	--	--	150	< 1.0 U					< 1.0 U					< 1.0 U				
2-Methylphenol		--	--	--	--	< 1.0 U					< 1.0 U					1.4				
2-Nitrophenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 UJ				
4,6-Dinitro-2-Methylphenol		--	--	765	280	< 10 U					< 10 U					< 10 U				
4-Chloro-3-methylphenol		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 UJ				
4-Methylphenol		--	--	--	--	< 2.0 U					< 2.0 U					4.0				
4-Nitrophenol		--	--	--	--	< 10 U					< 10 U					< 10 U				
Pentachlorophenol		7.9	13	8.2	3	**< 10 U**					**< 10 U**					**< 10 U**				
Phenol		--	--	4,600,000	860,000	< 1.0 U					< 1.0 U					5.1				
Other SVOCs (µg/L)																				
1,2,4-Trichlorobenzene		--	--	--	70	< 1.0 U					< 1.0 U					< 1.0 UJ				
1,2-Dichlorobenzene		--	--	17,000	1,300	< 1.0 U					< 1.0 U					< 1.0 U				
1,2-Diphenylhydrazine		--	--	0.54	0.2	**< 1.0 U**					**< 1.0 U**					R				
1,3-Dichlorobenzene		--	--	2,600	960	< 1.0 U					< 1.0 U					< 1.0 U				
1,4-Dichlorobenzene		--	--	2,600	190	< 1.0 U					< 1.0 U					< 1.0 U				
2,4-Dinitrotoluene		--	--	9.1	3.4	< 3.0 U					< 3.0 U					< 3.0 U				
2,6-Dinitrotoluene		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
2-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
3,3'-Dichlorobenzidine		--	--	0.077	0.028	**< 5.0 U**					**< 5.0 U**					**< 5.0 U**				
3-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
4-Bromophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
4-Chloroaniline		--	--	--	--	< 5.0 U					< 5.0 U					< 5.0 UJ				
4-Chlorophenyl-phenylether		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date						4/19/2013					3/26/2013					6/26/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
4-Nitroaniline		--	--	--	--	< 3.0 U					< 3.0 U					< 3.0 U				
Aniline		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Azobenzene		--	--	--	--	< 1.0 U					< 1.0 U					R				
Benzoic Acid		--	--	--	--	< 20 U					< 20 U					110 J				
Benzyl Alcohol		--	--	--	--	< 2.0 U					< 2.0 U					2.0 J				
2,2'-Oxybis(1-Chloropropane)		--	--	170,000	65,000	< 1.0 U					< 1.0 U					< 1.0 U				
bis(2-Chloroethoxy) Methane		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 UJ				
Bis-(2-Chloroethyl) Ether		--	--	1.4	0.53	< 1.0 U					< 1.0 U					< 1.0 U				
Carbazole		--	--	--	--	< 1.0 U					< 1.0 U					< 1.0 U				
Hexachlorobenzene		--	--	0.00077	0.00029	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Hexachlorobutadiene		--	--	50	18	< 0.05 U					< 0.05 U					< 0.05 U				
Hexachlorocyclopentadiene		--	--	17,000	1,100	< 5.0 U					< 5.0 U					< 5.0 U				
Hexachloroethane		--	--	8.9	3.3	< 2.0 U					< 2.0 U					< 2.0 U				
Isophorone		--	--	600	960	< 1.0 U					< 1.0 U					< 1.0 UJ				
Nitrobenzene		--	--	1,900	690	< 1.0 U					< 1.0 U					< 1.0 UJ				
N-Nitrosodimethylamine		--	--	8.1	3	< 3.0 U					< 3.0 U					< 3.0 U				
N-Nitroso-Di-N-Propylamine		--	--	--	0.51	< 1.0 U					< 1.0 U					< 1.0 U				
N-Nitrosodiphenylamine		--	--	16	6	< 1.0 U					< 1.0 U					< 1.0 U				
PCB Aroclors (µg/L)																				
Aroclor 1016		--	--	--	--	na					na					na				
Aroclor 1221		--	--	--	--	na					na					na				
Aroclor 1232		--	--	--	--	na					na					na				
Aroclor 1242		--	--	--	--	na					na					na				
Aroclor 1248		--	--	--	--	na					na					na				
Aroclor 1254		--	--	--	--	na					na					na				
Aroclor 1260		--	--	--	--	na					na					na				
Aroclor 1262		--	--	--	--	na					na					na				
Aroclor 1268		--	--	--	--	na					na					na				
Total PCB Aroclors		0.03	10	0.00017	0.000064	na					na					na				
Pesticides (µg/L)																				
4,4'-DDD		--	--	0.00084	0.00031	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDE		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
4,4'-DDT		--	--	0.00059	0.00022	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total DDTs		0.001	0.13	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Aldrin		--	--	0.00014	0.00005	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
alpha-BHC		--	--	0.013	0.0049	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
beta-BHC		--	--	0.046	0.017	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
cis-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
delta-BHC		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 UJ				
Dieldrin		--	--	0.00014	0.000054	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Endosulfan I		0.0087	0.034	2.0	89	***< 0.05 U***					***< 0.05 U***					***< 0.13 U***				
Endosulfan II		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endosulfan Sulfate		0.0087	0.034	2.0	89	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin		0.0023	0.037	0.81	0.06	***< 0.1 U***					***< 0.1 U***					***< 0.1 U***				
Endrin Aldehyde		--	--	0.81	0.3	< 0.1 U					< 0.1 U					< 0.1 U				
Endrin Ketone		--	--	--	--	< 0.1 U					< 0.1 U					< 0.1 U				
Heptachlor		0.0036	0.053	0.00021	0.000079	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				
Heptachlor Epoxide		--	--	0.00011	0.000039	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

Location ID						NS-WS-316					SD-SP-01					UP-CB-B8				
Collection Date						4/19/2013					3/26/2013					6/26/2013				
Analyte	WA NPDES ISGP	WA WQC Marine Chronic	WA WQC Marine Acute	NTR WQC Human Health Organism	NR WQC Human Health Organism	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO	Result	EF WA MC	EF WA MA	EF NTR HHO	EF NR HHO
gamma-BHC (Lindane)		--	0.16	0.063	1.8	< 0.05 U					< 0.05 U					< 0.05 U				
Methoxychlor		--	--	--	--	< 0.5 U					< 0.5 U					< 0.5 U				
Toxaphene		0.0002	0.21	0.00075	0.00028	***< 5.0 U***					***< 5.0 U***					***< 5.0 U***				
trans-Chlordane		--	--	--	--	< 0.05 U					< 0.05 U					< 0.05 U				
Total aldrin/dieldrin		0.0019	0.71	--	--	**< 0.1 U**					**< 0.1 U**					**< 0.1 U**				
Total Chlordane		0.004	0.09	0.00059	0.00081	**< 0.05 U**					**< 0.05 U**					**< 0.05 U**				

Table 7. Water Sample Results Compared to Criteria
NPDES Inspection Sampling Support

a = This is a field duplicate of the sample directly preceding it.

Results in underline exceed the WA NPDES ISWGP Benchmark for that parameter.
Results in **bold** exceed the WA WQC Marine Chronic.
Results in ***bold italics*** exceed the WA WQC Marine Acute.
Results that are shaded gray exceed the NTR HHO criteria.
Exceedance Factors (EFs) are presented for detected concentrations that exceed the WA, NTR, or NR WQC.
The EFs are calculated (result/criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the WA, NTR, or NR WQC.

< - not detected
µg/L - micrograms per liter
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
EF - exceedance factor (sample result/criteria value)
HHO - Human Health - Consumption of Organisms Only
HPAHs - high molecular weight polycyclic aromatic hydrocarbons
ISGP - Industrial Stormwater General Permit
J - estimated concentration
JN - estimated concentration
LPAHs - low molecular weight polycyclic aromatic hydrocarbons
MA - Marine Acute
MC - Marine Chronic
na - not analyzed
nd - non-detect
NPDES - National Pollutant Discharge Elimination System
NR - National Recommended
NTR - National Toxics Rule
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
RL - reporting limit
SVOCs - semivolatile organic compounds
U - not detected
WA - Washington State
WQC - Water Quality Criteria

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

Location ID			CL-MH-SPS	CL-VT-EFF	ES-MH-001	GR-MH-01	IM-MH-01	IM-SW-01	KC-VT-1593
Collection Date			6/5/2013	6/5/2013	4/24/2013	4/4/2013	4/10/2013	4/10/2013	5/30/2013
Analyte	WA NPDES ISGP	Unit	Result	Result	Result	Result	Result	Result	Result
Conventionals									
Alkalinity	--	mg/L CaCO3	85.2	69.2	45	75.2	149	767	167
Bicarbonate	--	mg/L CaCO3	40.2	46	45	75.2	149	724	167
Carbonate	--	mg/L CaCO3	45	23.2	< 1.0 U	< 1.0 U	< 1.0 U	43.4	< 1.0 U
Chloride	--	mg/L	7.4	5.5	316	39.1	55	8.4	12
Conductivity	--	µmhos/cm	197	187	1,220	304	929	200	384
Dissolved Organic Carbon	--	mg/L	3.58	3.59	4.94	4.35	73.9 J	9.65	10.8
Hydroxide	--	mg/L CaCO3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
N-Nitrate	--	mg-N/L	1.2	0.8	0.3	< 0.1 U	< 0.1 U	0.1	0.1
pH	5-9	std units	**9.46**	**9.15**	6.66	7.49	6.37	8.99	6.78
Sulfate	--	mg/L	24.4	18.1	49.5	11.8	234	36.8	9.9
Total Organic Carbon	--	mg/L	6.15	4.36	5.61	19.8	65.6 J	107	10.8
Total Suspended Solids	--	mg/L	414	48.3	12.1	< 1.1 U	9.3	2,120	< 2.1 U

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

Location ID			LF-TP-001	LF-FD-001 [a]	NS-MH-682	NS-OF-002	NS-OF-006	NS-WS-316	SD-SP-01
Collection Date			6/19/2013	6/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	3/26/2013
Analyte	WA NPDES ISGP	Unit	Result	Result	Result	Result	Result	Result	Result
Conventionals									
Alkalinity	--	mg/L CaCO3	54.3	54.4	22	3.0	3.0	13.5	41.1
Bicarbonate	--	mg/L CaCO3	54.3	54.4	20.8	3.0	3.0	13.5	41.1
Carbonate	--	mg/L CaCO3	< 1.0 U	< 1.0 U	1.2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloride	--	mg/L	157	156	1	0.9	1.8	5.0	< 5.0 U
Conductivity	--	µmhos/cm	868	865	41.1	17.2	17.1	105	92.8
Dissolved Organic Carbon	--	mg/L	2.05	2.17	2.3	< 1.5 U	< 1.5 U	2.77	9.07
Hydroxide	--	mg/L CaCO3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
N-Nitrate	--	mg-N/L	0.3	0.3	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.019
pH	5-9	std units	7.84	7.92	8.53	6.26	6.14	7.28	6.47
Sulfate	--	mg/L	98.6	98.5	1.3	0.9	0.6	24.5	< 5.0 U
Total Organic Carbon	--	mg/L	2.21	2.28	41.5	5.11	4.44	12.9	9.06
Total Suspended Solids	--	mg/L	10.2	2.2	260	29.2	23.4	106	26

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

Location ID			UP-CB-B8	
Collection Date			6/26/2013	
Analyte	WA NPDES ISGP	Unit	Result	
Conventionals				
Alkalinity	--	mg/L CaCO3	33.9	
Bicarbonate	--	mg/L CaCO3	33.9	
Carbonate	--	mg/L CaCO3	< 1.0	U
Chloride	--	mg/L	80.4	
Conductivity	--	µmhos/cm	528	
Dissolved Organic Carbon	--	mg/L	64.8	
Hydroxide	--	mg/L CaCO3	< 1.0	U
N-Nitrate	--	mg-N/L	0.2	
pH	5-9	std units	6.45	
Sulfate	--	mg/L	66.3	
Total Organic Carbon	--	mg/L	65.7	J
Total Suspended Solids	--	mg/L	30.2	

a - This is a field duplicate of the sample directly preceding it.
Results in **bold** exceed the WA NPDES ISWGP.

< - not detected
µmhos/cm - micromhos per centimeter
CaCO3 - calcium carbonate
ISGP - Industrial Stormwater General Permit
mg/L - milligrams per liter
mg-N/L - milligrams per liter as nitrogen
NPDES - National Pollutant Discharge Elimination System
std units - standard units
U - not detected
WA - Washington
J - estimated concentration

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	AM-SF4-EFF	AM-FD-01[a]	AM-VT-INF	CG-MH-010	CL-MH-SPS	ES-TS-INF	GR-CB-07	GR-MH-03	GR-WS-05	IM-CB-01	IM-CB-02	KC-CB-01	KC-DD-2009	KC-IV-SPS
Analyte	**6/12/2013**	**6/12/2013**	**6/12/2013**	**4/23/2013**	**6/5/2013**	**4/24/2013**	**4/11/2013**	**4/4/2013**	**4/11/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**5/30/2013**	**5/31/2013**
Metals (Total) (mg/kg)														
Antimony	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Arsenic	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Beryllium	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
Cadmium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Chromium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Copper	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
Lead	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Mercury	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A
Nickel	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Selenium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Silver	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Thallium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Zinc	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
PAHs (µg/kg)														
1-Methylnaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Chloronaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylnaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Acenaphthene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Acenaphthylene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Anthracene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(a)anthracene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(a)pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(g,h,i)perylene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Chrysene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Dibenz(a,h)anthracene	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
Dibenzofuran	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Fluoranthene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Fluorene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Indeno(1,2,3-cd)pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Naphthalene	SW8260C	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8260C
Phenanthrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total Benzofluoranthenes	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total HPAHs	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
Total LPAHs	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total PAHs	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0.5	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*1	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM
Phthalates (µg/kg)														
bis(2-Ethylhexyl)phthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Butylbenzylphthalate	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Di-n-Butylphthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Diethylphthalate	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dimethylphthalate	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM
Di-n-Octyl phthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	AM-SF4-EFF	AM-FD-01[a]	AM-VT-INF	CG-MH-010	CL-MH-SPS	ES-TS-INF	GR-CB-07	GR-MH-03	GR-WS-05	IM-CB-01	IM-CB-02	KC-CB-01	KC-DD-2009	KC-IV-SPS
Analyte	**6/12/2013**	**6/12/2013**	**6/12/2013**	**4/23/2013**	**6/5/2013**	**4/24/2013**	**4/11/2013**	**4/4/2013**	**4/11/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**5/30/2013**	**5/31/2013**
Phenols (µg/kg)														
2,4,5-Trichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,6-Trichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dimethylphenol	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2,4-Dinitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Chlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylphenol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2-Nitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4,6-Dinitro-2-Methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloro-3-methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pentachlorophenol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Other SVOCs (µg/kg)														
1,2,4-Trichlorobenzene	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
1,2-Dichlorobenzene	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
1,3-Dichlorobenzene	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8260C
1,4-Dichlorobenzene	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2,4-Dinitrotoluene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,6-Dinitrotoluene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitroaniline	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3,3'-Dichlorobenzidine	R	SW8270D	SW8270D	R	R	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D
3-Nitroaniline	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Bromophenyl-phenylether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloroaniline	R	SW8270D	SW8270D	R	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chlorophenyl-phenylether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitroaniline	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Aniline	R	SW8270D	SW8270D	R	R	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D
Benzoic Acid	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D
Benzyl Alcohol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270DSIM
2,2'-Oxybis(1-Chloropropane)	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
bis(2-Chloroethoxy) Methane	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Bis-(2-Chloroethyl) Ether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Carbazole	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Hexachlorobenzene	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Hexachlorobutadiene	SW8260C	SW8260C	SW8270DSIM	SW8081B	SW8081B	SW8081B	SW8260C	SW8260C	SW8260C	SW8081B	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Hexachlorocyclopentadiene	R	SW8270D	SW8270D	R	R	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D
Hexachloroethane	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Isophorone	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Nitrobenzene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodimethylamine	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
N-Nitroso-Di-N-Propylamine	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
N-Nitrosodiphenylamine	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
PCB Aroclors (µg/kg)														
PCB Aroclors	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	AM-SF4-EFF	AM-FD-01[a]	AM-VT-INF	CG-MH-010	CL-MH-SPS	ES-TS-INF	GR-CB-07	GR-MH-03	GR-WS-05	IM-CB-01	IM-CB-02	KC-CB-01	KC-DD-2009	KC-IV-SPS
Analyte	**6/12/2013**	**6/12/2013**	**6/12/2013**	**4/23/2013**	**6/5/2013**	**4/24/2013**	**4/11/2013**	**4/4/2013**	**4/11/2013**	**4/10/2013**	**4/10/2013**	**5/30/2013**	**5/30/2013**	**5/31/2013**
Pesticides (µg/kg)														
Pesticides	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
VOCs (µg/kg)														
VOCs	SW8260C	SW8260C	na	na	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	na	na	na	na	SW8260C
TPHs (mg/kg)														
Gasoline-Range Hydrocarbons	NWTPHG	NWTPHG	na	na	NWTPHG	NWTPHG	NWTPHG	NWTPHG	NWTPHG	NWTPHG	na	na	na	NWTPHG
Diesel-Range Hydrocarbons	NWTPHD	NWTPHD	na	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	na	na	na	NWTPHD
Motor Oil-Range Hydrocarbons	NWTPHD	NWTPHD	na	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	na	na	na	NWTPHD
Dioxins and Furans (ng/kg)														
Dioxins and Furans	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B	na	EPA 1613B	na	EPA 1613B	na	na	na	EPA 1613B
Grain size (%)														
Grain size	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS
Conventionals (%)														
Total Organic Carbon	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC
Total Solids	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	KC-VT-1593	LF-LS-004	LF-TP-001	NS-CB-421	NS-CB-423	NS-CB-547	NS-FD-001[a]	NS-MH-536	SD-CB-01	SD-SP-01	UP-CB-A6	UP-CB-B8	UP-MHF-165
Analyte	**5/30/2013**	**6/19/2013**	**6/19/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**3/26/2013**	**3/26/2013**	**6/26/2013**	**6/26/2013**	**6/26/2013**
Metals (Total) (mg/kg)													
Antimony	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Arsenic	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Beryllium	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
Cadmium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Chromium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Copper	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
Lead	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Mercury	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A	SW7471A
Nickel	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Selenium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Silver	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Thallium	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8	EPA200.8
Zinc	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C	SW6010C
PAHs (µg/kg)													
1-Methylnaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Chloronaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylnaphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Acenaphthene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Acenaphthylene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Anthracene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(a)anthracene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(a)pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzo(g,h,i)perylene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Chrysene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Dibenz(a,h)anthracene	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Dibenzofuran	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Fluoranthene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Fluorene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Indeno(1,2,3-cd)pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Naphthalene	SW8270D	SW8270D	SW8270D	SW8270D	SW8260C	SW8270D	SW8260C	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phenanthrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pyrene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total Benzofluoranthenes	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total HPAHs	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Total LPAHs	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Total PAHs	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*0.5	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
cPAHs, nd RL*1	SW8270D	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phthalates (µg/kg)													
bis(2-Ethylhexyl)phthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Butylbenzylphthalate	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D
Di-n-Butylphthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Diethylphthalate	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM
Dimethylphthalate	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D
Di-n-Octyl phthalate	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	KC-VT-1593	LF-LS-004	LF-TP-001	NS-CB-421	NS-CB-423	NS-CB-547	NS-FD-001[a]	NS-MH-536	SD-CB-01	SD-SP-01	UP-CB-A6	UP-CB-B8	UP-MHF-165
Analyte	**5/30/2013**	**6/19/2013**	**6/19/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**3/26/2013**	**3/26/2013**	**6/26/2013**	**6/26/2013**	**6/26/2013**
Phenols (µg/kg)													
2,4,5-Trichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4,6-Trichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dichlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,4-Dimethylphenol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2,4-Dinitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D
2-Chlorophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Methylphenol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
2-Nitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D
4,6-Dinitro-2-Methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloro-3-methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Methylphenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitrophenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Pentachlorophenol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
Phenol	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Other SVOCs (µg/kg)													
1,2,4-Trichlorobenzene	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8260C	SW8270DSIM
1,2-Dichlorobenzene	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8260C	SW8260C
1,3-Dichlorobenzene	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8260C	SW8260C
1,4-Dichlorobenzene	SW8260C	SW8270DSIM	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8270DSIM	SW8270DSIM	SW8260C	SW8270DSIM	SW8260C
2,4-Dinitrotoluene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2,6-Dinitrotoluene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
2-Nitroaniline	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
3,3'-Dichlorobenzidine	R	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	R	SW8270D	R	R	R
3-Nitroaniline	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D
4-Bromophenyl-phenylether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Chloroaniline	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	R	R	R
4-Chlorophenyl-phenylether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
4-Nitroaniline	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D
Aniline	R	R	R	SW8270D	R	SW8270D	SW8270D	SW8270D	R	SW8270D	R	R	R
Benzoic Acid	SW8270D	R	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Benzyl Alcohol	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270D	SW8270D	SW8270D	R	R	SW8270DSIM	SW8270DSIM	SW8270DSIM
2,2'-Oxybis(1-Chloropropane)	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
bis(2-Chloroethoxy) Methane	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Bis-(2-Chloroethyl) Ether	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Carbazole	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Hexachlorobenzene	SW8081B	SW8270DSIM	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
Hexachlorobutadiene	SW8260C	SW8270DSIM	SW8081B	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8081B	SW8081B	SW8260C	SW8260C	SW8260C
Hexachlorocyclopentadiene	SW8270D	R	SW8270D	SW8270D	R	SW8270D	SW8270D	SW8270D	R	SW8270D	SW8270D	R	SW8270D
Hexachloroethane	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Isophorone	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Nitrobenzene	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
N-Nitrosodimethylamine	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
N-Nitroso-Di-N-Propylamine	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM
N-Nitrosodiphenylamine	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM	SW8270DSIM	SW8270D	SW8270DSIM
PCB Aroclors (µg/kg)													
PCB Aroclors	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A	SW8082A

Table 9. Sample Analytical Methods – Solids
NPDES Inspection Sampling Support

Location ID / Collection Date	KC-VT-1593	LF-LS-004	LF-TP-001	NS-CB-421	NS-CB-423	NS-CB-547	NS-FD-001[a]	NS-MH-536	SD-CB-01	SD-SP-01	UP-CB-A6	UP-CB-B8	UP-MHF-165
Analyte	**5/30/2013**	**6/19/2013**	**6/19/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**4/16/2013**	**3/26/2013**	**3/26/2013**	**6/26/2013**	**6/26/2013**	**6/26/2013**
Pesticides (µg/kg)													
Pesticides	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B	SW8081B
VOCs (µg/kg)													
VOCs	SW8260C	na	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	na	SW8260C	SW8260C	SW8260C
TPHs (mg/kg)													
Gasoline-Range Hydrocarbons	NWTPHG	na	NWTPHG	NWTPHG	NWTPHG	NWTPHG	NWTPHG	NWTPHG	na	na	NWTPHG	NWTPHG	NWTPHG
Diesel-Range Hydrocarbons	NWTPHD	na	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD
Motor Oil-Range Hydrocarbons	NWTPHD	na	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD	NWTPHD
Dioxins and Furans (ng/kg)													
Dioxins and Furans	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B	na	na	na	na	EPA 1613B	EPA 1613B	na	EPA 1613B	na
Grain size (%)													
Grain size	PSEP-PS	na	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS	PSEP-PS
Conventionals (%)													
Total Organic Carbon	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC	PLUMB81TC
Total Solids	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540B	SM2540G	SM2540G	SM2540B	SM2540B	SM2540B

a - This is a field duplicate of the sample directly preceding it.

% - percent
µg/kg - micrograms per kilogram
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
EPA - U.S. Environmental Protection Agency
HPAHs - high molecular weight polycyclic aromatic hydrocarbons
LPAHs - low molecular weight polycyclic aromatic hydrocarbons
mg/kg - milligrams per kilogram
nd - non-detect
ng/kg - nanograms per kilogram
NPDES - National Pollutant Discharge Elimination System
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
R - Result rejected during data validation review.
RL - reporting limit
SIM - selected ion monitoring
SVOCs - semivolatile organic compounds
TPH - total petroleum hydrocarbons
VOCs - volatile organic compounds

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Metals (Total) (mg/kg)																				
Antimony	--	--	< 0.5 UJ			< 0.5 UJ			< 0.5 UJ			< 0.3 UJ			< 0.5 UJ			0.6 J		
Arsenic	57	93	41			40.4			16.3			9.6			5.2			7.4		
Beryllium	--	--	0.3			< 0.6 U			0.3			< 0.4 U			< 0.3 U			< 0.2 U		
Cadmium	5.1	6.7	**5.5**	1.1		4.6			1.2			1.6			0.4			2.3 J		
Chromium	260	270	69			68			28			52 J			27			76		
Copper	390	390	215			235			71.6			116			76.1			173		
Lead	450	530	308			311			76.2			75.6			10.4			88.7		
Mercury	0.41	0.59	**0.47**	1.1		**0.47**	1.1		0.14			0.11			< 0.06 U			0.19		
Nickel	--	--	63			61			22			30.8			24			46		
Selenium	--	--	< 1.0 U			< 1.0 U			< 1.0 U			< 0.8 U			< 1.0 U			< 1.0 U		
Silver	6.1	6.1	1.5 J			1.4 J			< 0.5 UJ			< 0.3 U			< 0.5 U			0.6		
Thallium	--	--	< 0.5 U			< 0.5 U			< 0.5 U			< 0.3 U			< 0.5 U			< 0.5 U		
Zinc	410	960	**3,030**	7.4	3.2	**3,010**	7.3	3.1	**564**	1.4		**976**	2.4	1.0	236 J			**984**	2.4	1.0
PAHs (µg/kg)																				
1-Methylnaphthalene	--	--	< 210 U			< 220 U			160			< 100 U			56			< 500 U		
2-Chloronaphthalene	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
2-Methylnaphthalene	670	1,400	< 210 U			< 220 U			200			< 100 U			96			300 J		
Acenaphthene	500	730	410			470			< 140 U			< 100 U			< 37 U			< 500 U		
Acenaphthylene	1,300	1,300	< 210 U			< 220 U			230			< 100 U			< 37 U			< 500 U		
Anthracene	960	4,400	410			460			170			< 100 U			< 37 U			< 500 U		
Benzo(a)anthracene	1,300	1,600	1,100			1,100			220			150			52			500		
Benzo(a)pyrene	1,600	3,000	620			720			180			240			37			500		
Benzo(g,h,i)perylene	670	720	**960 J**	1.4	1.3	**1,000**	1.5	1.4	330			260 J			63			**780**	1.2	1.1
Chrysene	1,400	2,800	**2,000**	1.4		**2,300**	1.6		620			430			190 J			**1,500**	1.1	
Dibenz(a,h)anthracene	230	540	**310**	1.3		**320**	1.4		84 J			75			10			140		
Dibenzofuran	540	700	350			410			140			< 100 U			74			< 500 U		
Fluoranthene	1,700	2,500	**5,800 J**	3.4	2.3	**6,300**	3.7	2.5	840			390			430 J			**1,800**	1.1	
Fluorene	540	1,000	**570**	1.1		540			190			< 100 U			87 J			< 500 U		
Indeno(1,2,3-cd)pyrene	600	690	580 J			600			190			140 J			30 J			350 J		
Naphthalene	2,100	2,400	12 J			120 J			520			60 J			46			< 500 U		
Phenanthrene	1,500	5,400	**3,800**	2.5		**4,100**	2.7		940			220			690 J			1,200		
Pyrene	2,600	3,300	**5,200**	2.0	1.6	**5,800**	2.2	1.8	920			610			320 J			2,600		
Total Benzofluoranthenes	3,200	3,600	2,200			2,300			470			470			150			1,500		
Total HPAHs	12,000	17,000	**19,000 J**	1.6	1.1	**20,000**	1.7	1.2	3,900 J			2,800 J			1,300 J			9,700 J		
Total LPAHs	5,200	13,000	5,200 J			**5,700 J**	1.1		2,100			280 J			820 J			1,200		
Total PAHs	--	--	24,000 J			26,000 J			5,900 J			3,000 J			2,100 J			11,000 J		
cPAHs, nd RL*0	1,000	--	**1,100 J**	1.1		**1,200**	1.2		280 J			330 J			63 J			760 J		
cPAHs, nd RL*0.5	1,000	--	**1,100 J**	1.1		**1,200**	1.2		280 J			330 J			63 J			760 J		
cPAHs, nd RL*1	1,000	--	**1,100 J**	1.1		**1,200**	1.2		280 J			330 J			63 J			760 J		
Phthalates (µg/kg)																				
bis(2-Ethylhexyl)phthalate	1,300	1,900	**13,000**	10	6.8	**12,000**	9.2	6.3	**5,100**	3.9	2.7	**15,000**	12	7.9	**2,100**	1.6	1.1	**130,000**	100	68
Butylbenzylphthalate	63	900	**340**	5.4		**360 J**	5.7		**1,300**	21	1.4	**870**	14		33 J			**2,000**	32	2.2
Di-n-Butylphthalate	1,400	5,100	< 210 U			< 220 U			200			< 100 U			< 37 U			550		
Diethylphthalate	200	1,200	< 64 U			< 120 U			< 52 U			< 25 U			< 14 U			< 95 U		
Dimethylphthalate	71	160	20			17 J			< 12 U			29			13			**1,500**	21	9.4
Di-n-Octyl phthalate	6,200	--	440			440			100 J			150 JN			100			4,200 JN		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Phenols (µg/kg)																				
2,4,5-Trichlorophenol	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 UJ			< 2,500 U		
2,4,6-Trichlorophenol	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 UJ			< 2,500 U		
2,4-Dichlorophenol	--	--	< 2,100 U			< 2,200 U			< 1,400 U			< 1,000 U			< 370 UJ			< 5,000 U		
2,4-Dimethylphenol	29	29	12 J			**< 72 U**			**110 J**	3.8	3.8	**< 100 U**			**110**	3.8	3.8	**< 500 U**		
2,4-Dinitrophenol	--	--	< 9,100 UJ			< 9,100 UJ			< 5,900 UJ			< 4,300 U			< 1,600 UJ			< 21,000 U		
2-Chlorophenol	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 UJ			< 500 U		
2-Methylphenol	63	63	< 18 U			< 18 U			**130**	2.1	2.1	< 25 U			< 9.3 U			**< 120 U**		
2-Nitrophenol	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 UJ			< 2,500 U		
4,6-Dinitro-2-Methylphenol	--	--	< 2,100 U			< 2,200 U			< 1,400 U			< 1,000 U			< 370 UJ			< 5,000 U		
4-Chloro-3-methylphenol	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 UJ			< 2,500 U		
4-Methylphenol	670	670	500			540			360			< 100 U			270 J			**15,000**	22	22
4-Nitrophenol	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			R			< 2500 U		
Pentachlorophenol	360	690	< 180 U			< 180 U			49 J			< 250 UJ			< 93 UJ			**< 1,200 UJ**		
Phenol	420	1,200	110 J			< 220 U			**520**	1.2		< 100 U			**880 J**	2.1		**2,400**	5.7	2.0
Other SVOCs (µg/kg)																				
1,2,4-Trichlorobenzene	31	51	< 9.1 UJ			< 7.3 UJ			< 12 U			< 25 U			< 9.3 U			**< 120 U**		
1,2-Dichlorobenzene	35	50	< 1.8 UJ			< 1.5 UJ			< 12 U			< 25 U			< 2.1 U			**< 120 U**		
1,3-Dichlorobenzene	--	--	< 1.8 UJ			< 1.5 UJ			< 12 U			< 25 U			< 2.1 U			< 120 U		
1,4-Dichlorobenzene	110	120	< 1.8 UJ			< 1.5 UJ			< 12 U			< 25 U			< 2.1 U			**< 120 U**		
2,4-Dinitrotoluene	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 U			< 2,500 U		
2,6-Dinitrotoluene	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 U			< 2,500 U		
2-Nitroaniline	--	--	< 1,100 U			< 1,100 U			< 700 U			< 500 U			< 180 U			< 2,500 U		
3,3'-Dichlorobenzidine	--	--	R			< 1,600 U			< 1,000 U			R			R			< 3,800 U		
3-Nitroaniline	--	--	R			< 1,100 U			< 700 U			R			< 180 UJ			< 2,500 U		
4-Bromophenyl-phenylether	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
4-Chloroaniline	--	--	R			< 2,900 U			< 1,900 U			R			R			< 6,800 U		
4-Chlorophenyl-phenylether	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
4-Nitroaniline	--	--	< 1,100 UJ			< 1,100 U			< 700 U			< 500 UJ			< 180 U			< 2,500 U		
Aniline	--	--	R			< 5,800 U			< 3,800 U			R			R			< 14,000 U		
Benzoic Acid	650	650	**< 4,300 UJ**			**< 4,300 UJ**			**< 2,800 UJ**			**< 2,000 UJ**			R			**< 10,000 UJ**		
Benzyl Alcohol	57	73	56 J			**60 J**	1.1		**130**	2.3	1.8	**< 100 U**			< 37 UJ			**760**	13	10
2,2'-Oxybis(1-Chloropropane)	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
bis(2-Chloroethoxy) Methane	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
Bis-(2-Chloroethyl) Ether	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
Carbazole	--	--	320			370			410			< 100 U			< 37 U			< 500 U		
Hexachlorobenzene	22	70	< 18 U			< 18 U			< 12 U			< 20 U			< 5 U			< 20 U		
Hexachlorobutadiene	11	120	< 9.1 UJ			< 7.3 UJ			**< 12 U**			**< 20 U**			< 5 U			**< 20 U**		
Hexachlorocyclopentadiene	--	--	R			< 4,300 U			< 2,800 U			R			R			< 10,000 U		
Hexachloroethane	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
Isophorone	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
Nitrobenzene	--	--	< 210 U			< 220 U			< 140 U			< 100 U			< 37 U			< 500 U		
N-Nitrosodimethylamine	--	--	< 89 U			< 90 U			< 58 U			< 130 U			< 46 U			< 620 U		
N-Nitroso-Di-N-Propylamine	--	--	< 43 U			< 43 U			< 28 U			< 60 U			< 22 U			< 300 U		
N-Nitrosodiphenylamine	28	40	**130**	4.6	3.3	**180**	6.4	4.5	**220**	7.9	5.5	**85 J**	3.0	2.1	**92**	3.3	2.3	**450 J**	16	11

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
PCB Aroclors (µg/kg)																				
Aroclor 1016	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 4.0 U			< 20 U		
Aroclor 1221	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 4.0 U			< 20 U		
Aroclor 1232	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 5.9 U			< 20 U		
Aroclor 1242	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 4.0 U			< 20 U		
Aroclor 1248	--	--	39			33			10			< 30 U			< 4.0 U			50		
Aroclor 1254	--	--	49			48			20			58			< 20 U			97		
Aroclor 1260	--	--	20			21			6.5			46			62			50		
Aroclor 1262	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 4.0 U			< 20 U		
Aroclor 1268	--	--	< 19 U			< 19 U			< 3.8 U			< 20 U			< 4.0 U			< 20 U		
Total PCB Aroclors	130	1,000	110			100			37			100			62			**200**	1.5	
Pesticides (µg/kg)																				
4,4'-DDD	--	--	< 98 UJ			< 98 UJ			< 97 UJ			< 20 UJ			< 5.0 UJ			< 20 UJ		
4,4'-DDE	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 5.0 U			< 57 UJ		
4,4'-DDT	--	--	< 98 U			< 98 U			< 97 U			< 20 UJ			< 12 U			< 20 UJ		
Total DDTs	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 12 U			< 57 UJ		
Aldrin	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 U			< 2.5 U			< 9.8 U		
alpha-BHC	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 U			< 2.5 UJ			< 9.8 U		
beta-BHC	--	--	< 49 U			< 49 U			< 48 U			< 10 U			< 3.4 U			< 19 U		
cis-Chlordane	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 U			< 2.5 UJ			< 9.8 U		
delta-BHC	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 U			< 2.5 UJ			< 9.8 U		
Dieldrin	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 5.0 U			< 20 U		
Endosulfan I	--	--	< 49 U			< 49 U			< 48 U			< 10 U			< 2.5 U			< 9.8 U		
Endosulfan II	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 5.0 U			< 20 U		
Endosulfan Sulfate	--	--	< 98 U			< 98 U			< 97 U			< 20 UJ			< 13 UJ			< 20 UJ		
Endrin	--	--	< 98 U			< 98 UJ			< 97 U			< 20 UJ			< 8.6 U			< 20 UJ		
Endrin Aldehyde	--	--	< 98 U			< 98 U			< 97 U			< 20 UJ			< 5.0 U			< 20 UJ		
Endrin Ketone	--	--	< 98 U			< 98 U			< 97 U			< 20 UJ			< 24 U			< 20 UJ		
Heptachlor	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 UJ			< 2.5 UJ			< 9.8 UJ		
Heptachlor Epoxide	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 5.0 U			< 230 U		
gamma-BHC (Lindane)	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 10 U			< 2.5 U			< 9.8 U		
Methoxychlor	--	--	< 490 U			< 490 UJ			< 480 U			< 100 UJ			< 25 U			< 98 UJ		
Toxaphene	--	--	< 9,800 U			< 9,800 U			< 9,700 U			< 2,000 UJ			< 500 UJ			< 2,000 UJ		
trans-Chlordane	--	--	< 49 U			< 49 U			< 48 U			< 10 U			< 45 U			< 9.8 U		
Total aldrin/dieldrin	--	--	< 98 U			< 98 U			< 97 U			< 20 U			< 5.0 U			< 20 U		
Total Chlordane	--	--	< 49 U			< 49 U			< 48 U			< 10 U			< 45 U			< 9.8 U		
VOCs (µg/kg)																				
1,1,1,2-Tetrachloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,1,1-Trichloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,1,2,2-Tetrachloroethane	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	< 3.6 U			< 2.9 U			na			na			< 4.1 U			< 360 U		
1,1,2-Trichloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,1-Dichloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,1-Dichloroethene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 UJ			< 180 U		
1,1-Dichloropropene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,2,3-Trichlorobenzene	--	--	< 9.1 UJ			< 7.3 UJ			na			na			< 10 U			< 900 U		
1,2,3-Trichloropropane	--	--	< 3.6 UJ			< 2.9 UJ			na			na			< 4.1 U			< 360 U		
1,2,4-Trimethylbenzene	--	--	35 J			32 J			na			na			44			< 180 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
1,2-Dibromo-3-chloropropane	--	--	< 9.1 UJ			< 7.3 UJ			na			na			< 10 U			< 900 U		
1,2-Dibromoethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,2-Dichloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,2-Dichloropropane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
1,3,5-Trimethylbenzene	--	--	25 J			23 J			na			na			15			< 180 U		
1,3-Dichloropropane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
2,2-Dichloropropane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
2-Chloroethylvinylether	--	--	< 9.1 UJ			< 7.3 UJ			na			na			< 10 U			< 900 U		
2-Chlorotoluene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
2-Hexanone	--	--	10			12			na			na			< 10 U			< 900 U		
4-Chlorotoluene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
Acetone	--	--	< 9.1 U			< 7.3 U			na			na			940			< 900 U		
Acrolein	--	--	< 91 UJ			< 73 UJ			na			na			< 100 UJ			< 9,000 UJ		
Acrylonitrile	--	--	< 9.1 U			< 7.3 U			na			na			< 10 U			< 900 U		
Benzene	--	--	2.6			2.3			na			na			2.0 J			< 180 U		
Bromobenzene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
Bromochloromethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Bromoethane	--	--	< 3.6 UJ			< 2.9 UJ			na			na			< 4.1 UJ			< 360 U		
Bromoform	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
Bromomethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Carbon Disulfide	--	--	47			52			na			na			6.6			< 180 U		
Carbon Tetrachloride	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Chlorobenzene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Dibromochloromethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Chloroethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Chloroform	--	--	2.4			1.9			na			na			4.9			< 180 U		
Chloromethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
cis-1,2-Dichloroethene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
cis-1,3-Dichloropropene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Dibromomethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Bromodichloromethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Dichlorodifluoromethane	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Ethylbenzene	--	--	3.3			1.8			na			na			2.4			< 180 U		
Isopropylbenzene	--	--	3.6 J			3.2 J			na			na			< 2.1 U			< 180 U		
m,p-Xylene	--	--	9.3			5.5			na			na			18			< 180 U		
2-Butanone	--	--	230			380			na			na			85			< 900 U		
Iodomethane	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 UJ			< 180 U		
4-Methyl-2-Pentanone (MIBK)	--	--	280			220			na			na			90			< 900 U		
Methyl tert-Butyl Ether	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Methylene Chloride	--	--	< 9 U			< 5.4 U			na			na			< 9 U			< 360 U		
n-Butylbenzene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
n-Propylbenzene	--	--	3.2 J			2.5 J			na			na			3.2			< 180 U		
o-Xylene	--	--	11			6.2			na			na			7.5			< 180 U		
4-Isopropyltoluene	--	--	2.1 J			2.0 J			na			na			< 2.1 U			< 180 U		
sec-Butylbenzene	--	--	4.2 J			6.9 J			na			na			3.4			< 180 U		
Styrene	--	--	5.7			4.3			na			na			< 2.1 U			< 180 U		
tert-Butylbenzene	--	--	< 1.8 UJ			< 1.5 UJ			na			na			< 2.1 U			< 180 U		
Tetrachloroethene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Toluene	--	--	3.9			2.7			na			na			2.5			5,200		
Total Xylenes	--	--	20			12			na			na			26			< 180 U		
trans-1,2-Dichloroethene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
trans-1,3-Dichloropropene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
trans-1,4-Dichloro-2-butene	--	--	< 9.1 UJ			< 7.3 UJ			na			na			< 10 UJ			< 900 UJ		
Trichloroethene	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
Trichlorofluoromethane	--	--	5.6			3.5			na			na			< 2.1 U			230		
Vinyl Acetate	--	--	< 9.1 UJ			< 7.3 UJ			na			na			< 10 UJ			< 900 UJ		
Vinyl Chloride	--	--	< 1.8 U			< 1.5 U			na			na			< 2.1 U			< 180 U		
TPH (mg/kg)																				
Gasoline-Range Hydrocarbons	30/100	--	< 20 U			< 20 U			na			na			< 18 U			< 18 U		
Diesel-Range Hydrocarbons	2,000	--	**3,000**	1.5		**3,200**	1.6		na			1,500			1,700			**12,000**	6.0	
Motor Oil-Range Hydrocarbons	2,000	--	**13,000**	6.5		**14,000**	7.0		na			**5,800**	2.9		**3,600**	1.8		**30,000**	15	
Dioxins and Furans (ng/kg)																				
2,3,7,8-TCDD	--	--	< 0.944 U			< 0.883 U			< 0.463 U			< 0.65 U			< 0.236 U			1.29		
1,2,3,7,8-PeCDD	--	--	2.72			2.62			1.39			3.31			0.762 J			9.03		
1,2,3,4,7,8-HxCDD	--	--	4.52			4.31			1.91			4.45			1.02			10.4		
1,2,3,6,7,8-HxCDD	--	--	19			19.5			8.29			11.6			2.2			23.9		
1,2,3,7,8,9-HxCDD	--	--	9.86			10			4.68			8.59			2.0			21.6		
1,2,3,4,6,7,8-HpCDD	--	--	552			543			187			248			50.9			586		
OCDD	--	--	5,680 J			5,300 J			2,690			1,770			374			6,210 J		
2,3,7,8-TCDF	--	--	1.44 J			1.16			1.97			4.38			< 0.526 U			3.81		
1,2,3,7,8-PeCDF	--	--	1.42			1.33			1.99			2.0 J			< 0.54 U			2.51 J		
2,3,4,7,8-PeCDF	--	--	< 2.2 U			< 1.87 U			3.69			2.75			0.612 J			4.01		
1,2,3,4,7,8-HxCDF	--	--	7.77			7.3			9.67			4.03 J			< 1.01 U			6.74		
1,2,3,6,7,8-HxCDF	--	--	4.43			4.32			3.93			3.51			0.974 J			6.71		
1,2,3,7,8,9-HxCDF	--	--	1.95			1.99			2.03			1.11			0.416 J			2.12		
2,3,4,6,7,8-HxCDF	--	--	6.48			6.55			5.74			5.2 J			1.19			9.27		
1,2,3,4,6,7,8-HpCDF	--	--	114 J			115 J			54.4 J			50.9			13.6 J			96.8		
1,2,3,4,7,8,9-HpCDF	--	--	8.75			7.9			4.85			3.28			1.04			5.93		
OCDF	--	--	434			431			152			162			28.1			238		
Dioxin/Furan TEQ, nd SDL*0	25	--	16.9 J			16.6 J			9.69 J			12.1 J			2.5 J			**28.9 J**	1.2	
Dioxin/Furan TEQ, nd SDL*0.5	25	--	17.7 J			17.3 J			9.93 J			12.4 J			2.7 J			**28.9 J**	1.2	
Dioxin/Furan TEQ, nd SDL*1	25	--	18.5 J			18 J			10.2 J			12.7 J			2.91 J			**28.9 J**	1.2	
Total TCDD	--	--	6.56 J			7.93 J			6.71 J			20.1 J			1.82 J			30.9 J		
Total TCDF	--	--	20.6 J			21.3 J			46.3 J			61.9 J			6.61 J			87 J		
Total PeCDD	--	--	17.2 J			17.2 J			12.3 J			30.4			3.69 J			63.7 J		
Total PeCDF	--	--	43.8 J			46.8 J			54.2 J			65.3 J			13.8 J			130 J		
Total HxCDD	--	--	178 J			175			58.4 J			121			20 J			274 J		
Total HxCDF	--	--	159 J			158			104 J			87.1 J			17.8 J			169 J		
Total HpCDD	--	--	1,660			1,620			396			565			129			1,460		
Total HpCDF	--	--	361			361 J			165 J			138			30.3 J			244 J		
Grain size (%)																				
> 10 Phi Clay	--	--	7.9			7.9			23.8			9.1			2.6			6.7		
8-9 Phi Clay	--	--	6.9			6.5			7.9			7.5			0.8			< 0.1 UJ		
9-10 Phi Clay	--	--	9.9			6.2			2.8			2.9			0.7			< 0.1 UJ		
Very Fine Silt	--	--	7.5			6.2			20.6			9.4			1.8			1.8		
Fine Silt	--	--	30.5			13.1			32.9			6.0			3.2			1.5		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			AM-SF4-EFF			AM-FD-01[b]			AM-VT-INF			CG-MH-010			CL-MH-SPS			ES-TS-INF		
Collection Date			6/12/2013			6/12/2013			6/12/2013			4/23/2013			6/5/2013			4/24/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Medium Silt	--	--	15.4			26.4			5.4			4.5			33.1			40.6		
Coarse Silt	--	--	1.0			3.0			0.8			0.4			1.6			2.3 J		
Total Fines	--	--	79.1			69.3			94.2			39.8			43.8			52.7		
Very Fine Sand	--	--	5.0			9.2			1.4			4.9			10.9			11.6		
Fine Sand	--	--	4.2			8.7			1.5			7.4			12.8			12.3		
Medium Sand	--	--	3.2			7.4			1.1			12.1			18			9.2		
Coarse Sand	--	--	3.2			4.1			0.6			12.6			9.7			10.1		
Very Coarse Sand	--	--	2.9			1.1			0.6			15.5			3.7			3.5		
Gravel	--	--	2.3			0.2			0.6			7.8			1.1			0.8		
Conventionals (%)																				
Total Organic Carbon	--	--	11.3			12.6			5.5			6.77			2.62			19.6		
Total Solids	--	--	39.45			39.43			41.71			61.78			33.96			37.96		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Metals (Total) (mg/kg)																				
Antimony	--	--	1.0 J			0.9 J			11.5 J			3.1 J			< 0.2 UJ			< 0.3 UJ		
Arsenic	57	93	20.2			22.9			32.9			18.5			3.9			10.5		
Beryllium	--	--	< 0.6 U			< 0.8 U			< 1.0 U			< 0.9 U			0.1			0.2		
Cadmium	5.1	6.7	**13.6**	2.7	2.0	**19.3**	3.8	2.9	**36**	7.1	5.4	**19.6**	3.8	2.9	0.3			4.6		
Chromium	260	270	219			233			218			163			20.8			27.9		
Copper	390	390	**814**	2.1	2.1	**837**	2.1	2.1	**1,700**	4.4	4.4	**833**	2.1	2.1	48.3			42.2		
Lead	450	530	**954**	2.1	1.8	**938**	2.1	1.8	**1,820**	4	3.4	**2,000**	4.4	3.8	20.9			148 J		
Mercury	0.41	0.59	**3.43**	8.4	5.8	**7.3**	18	12	**7.2**	18	12	**2.62**	6.4	4.4	< 0.02 U			0.08		
Nickel	--	--	152			167			235			178			31			20.5		
Selenium	--	--	< 1.0 U			< 2.0 U			< 2.0 U			< 0.9 U			< 0.6 U			< 0.7 U		
Silver	6.1	6.1	2.6 J			2.6 J			6.1 J			3.0			< 0.2 U			< 0.3 U		
Thallium	--	--	< 0.5 U			< 0.6 U			< 0.9 U			< 0.3 U			< 0.2 U			< 0.3 U		
Zinc	410	960	**5,800**	14	6.0	**8,480**	21	8.8	**15,700**	38	16	**7,340**	18	7.6	251			180		
PAHs (µg/kg)																				
1-Methylnaphthalene	--	--	< 180 U			< 330 U			180 J			7,600			< 19 U			17 J		
2-Chloronaphthalene	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
2-Methylnaphthalene	670	1,400	190			180 J			310 J			**12,000**	18	8.6	< 19 U			32		
Acenaphthene	500	730	< 180 U			< 330 U			< 360 U			**740**	1.5	1.0	< 19 U			11 J		
Acenaphthylene	1,300	1,300	140 J			< 330 U			200 J			< 530 U			< 19 U			28		
Anthracene	960	4,400	380			300 J			560			850			18 J			20		
Benzo(a)anthracene	1,300	1,600	1,100			1,300			**1,600**	1.2		**2,500**	1.9	1.6	47			100		
Benzo(a)pyrene	1,600	3,000	1,100			1,400			1,400			**2,200**	1.4		46			230		
Benzo(g,h,i)perylene	670	720	590			**1,200**	1.8	1.7	670			**1,500**	2.2	2.1	39			240		
Chrysene	1,400	2,800	**1,800**	1.3		**2,400**	1.7		**2,500**	1.8		**3,600**	2.6	1.3	83			190		
Dibenz(a,h)anthracene	230	540	230			**490**	2.1		**360**	1.6		**660**	2.9	1.2	16 J			91		
Dibenzofuran	540	700	160 J			< 330 U			200 J			**1,500**	2.8	2.1	< 19 U			13 J		
Fluoranthene	1,700	2,500	**3,000**	1.8	1.2	**3,400**	2	1.4	**4,400**	2.6	1.8	**8,700**	5.1	3.5	130			240		
Fluorene	540	1,000	190			180 J			360			**3,300**	6.1	3.3	< 19 U			< 20 U		
Indeno(1,2,3-cd)pyrene	600	690	510			**850**	1.4	1.2	580			**1,200**	2.0	1.7	24			250		
Naphthalene	2,100	2,400	220			200 J			380			**6,000**	2.9	2.5	16 J			24		
Phenanthrene	1,500	5,400	1,200			1,200			**2,200**	1.5		**11,000**	7.3	2.0	95			130		
Pyrene	2,600	3,300	**3,000**	1.2		**3,900**	1.5	1.2	**4,200**	1.6	1.3	**7,900**	3.0	2.4	130			230		
Total Benzofluoranthenes	3,200	3,600	2,300			2,900			3,000			**4,300**	1.3	1.2	95			510		
Total HPAHs	12,000	17,000	**14,000**	1.2		**18,000**	1.5	1.1	**19,000**	1.6	1.1	**33,000**	2.8	1.9	610 J			2,100		
Total LPAHs	5,200	13,000	2,100 J			1,900 J			3,700 J			**22,000**	4.2	1.7	130 J			210 J		
Total PAHs	--	--	16,000 J			20,000 J			22,000 J			54,000			740 J			2,300 J		
cPAHs, nd RL*0	1,000	--	**1,500**	1.5		**2,000**	2.0		**2,000**	2		**3,100**	3.1		65 J			330		
cPAHs, nd RL*0.5	1,000	--	**1,500**	1.5		**2,000**	2.0		**2,000**	2		**3,100**	3.1		65 J			330		
cPAHs, nd RL*1	1,000	--	**1,500**	1.5		**2,000**	2.0		**2,000**	2		**3,100**	3.1		65 J			330		
Phthalates (µg/kg)																				
bis(2-Ethylhexyl)phthalate	1,300	1,900	**14,000**	11	7.4	**22,000**	17	12	**42,000**	32	22	**45,000**	35	24	340			**1,800**	1.4	
Butylbenzylphthalate	63	900	**1,200**	19	1.3	**1,600 J**	25	1.8	**1,300**	21	1.4	**7,200 J**	110	8.0	**75 J**	1.2		28 J		
Di-n-Butylphthalate	1,400	5,100	370			< 330 U			420			**3,100**	2.2		17 J			140		
Diethylphthalate	200	1,200	< 46 U			< 82 U			< 91 U			120 J			< 4.7 U			< 28 U		
Dimethylphthalate	71	160	64			**200 J**	2.8	1.3	**91**	1.3		**290**	4.1	1.8	5.4			4.3 J		
Di-n-Octyl phthalate	6,200	--	730			< 330 U			1,600			2,300			< 19 U			23		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Phenols (µg/kg)																				
2,4,5-Trichlorophenol	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
2,4,6-Trichlorophenol	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
2,4-Dichlorophenol	--	--	< 1,800 U			< 3,300 U			< 3,600 U			< 5,300 U			< 190 U			< 200 U		
2,4-Dimethylphenol	29	29	**51 J**	1.8	1.8	**< 330 U**			**140 J**	4.8	4.8	**< 530 U**			< 19 U			< 20 U		
2,4-Dinitrophenol	--	--	< 7,700 U			R			< 16,000 U			< 23,000 U			< 800 U			< 840 U		
2-Chlorophenol	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
2-Methylphenol	63	63	58			**< 82 U**			**94**	1.5	1.5	**88 J**	1.4	1.4	< 4.7 U			< 4.9 U		
2-Nitrophenol	--	--	< 910 U			R			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
4,6-Dinitro-2-Methylphenol	--	--	< 1,800 U			R			< 3,600 U			< 5,300 U			< 190 U			< 200 U		
4-Chloro-3-methylphenol	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
4-Methylphenol	670	670	290			180 J			**910**	1.4	1.4	**1,500**	2.2	2.2	< 19 U			< 20 U		
4-Nitrophenol	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
Pentachlorophenol	360	690	**< 460 UJ**			**< 820 UJ**			**< 910 UJ**			**< 1,300 UJ**			< 47 UJ			< 49 U		
Phenol	420	1,200	**540**	1.3		300 J			**690**	1.6		**3,000**	7.1	2.5	17 J			25		
Other SVOCs (µg/kg)																				
1,2,4-Trichlorobenzene	31	51	< 8.6 U			< 17 U			< 17 UJ			**< 130 U**			< 4.7 U			< 4.9 U		
1,2-Dichlorobenzene	35	50	< 1.7 U			< 3.4 U			< 3.3 UJ			**< 130 U**			< 4.7 U			< 4.9 U		
1,3-Dichlorobenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			< 130 U			< 4.7 U			< 4.9 U		
1,4-Dichlorobenzene	110	120	< 1.7 U			< 3.4 U			< 3.3 UJ			**< 130 U**			< 4.7 U			< 4.9 U		
2,4-Dinitrotoluene	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
2,6-Dinitrotoluene	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
2-Nitroaniline	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
3,3'-Dichlorobenzidine	--	--	< 1,400 U			R			< 2,700 U			< 4,000 U			R			< 150 U		
3-Nitroaniline	--	--	< 910 U			< 1,600 UJ			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
4-Bromophenyl-phenylether	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
4-Chloroaniline	--	--	< 2,400 U			R			< 4,900 U			< 7,200 U			< 250 U			< 260 U		
4-Chlorophenyl-phenylether	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
4-Nitroaniline	--	--	< 910 U			< 1,600 U			< 1,800 U			< 2,600 U			< 94 U			< 98 U		
Aniline	--	--	< 4,900 U			R			< 9,800 U			< 14,000 U			R			< 530 U		
Benzoic Acid	650	650	**1,000 J**	1.5	1.5	**< 6,600 U**			**< 7,300 U**			**< 11,000 U**			R			120 J		
Benzyl Alcohol	57	73	**140 J**	2.5	1.9	**< 330 U**			**< 360 UJ**			**< 530 UJ**			**520 J**	9.1	7.1	< 20 U		
2,2'-Oxybis(1-Chloropropane)	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
bis(2-Chloroethoxy) Methane	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
Bis-(2-Chloroethyl) Ether	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
Carbazole	--	--	170 J			230 J			330 J			< 530 U			24			38		
Hexachlorobenzene	22	70	< 9.8 U			**< 57 UJ**			**< 61 U**			**< 36 U**			< 4.7 U			< 4.9 U		
Hexachlorobutadiene	11	120	< 8.6 U			**< 17 U**			**< 17 UJ**			**< 18 U**			< 4.7 U			< 4.9 U		
Hexachlorocyclopentadiene	--	--	< 3,600 U			R			< 7,300 U			< 11,000 U			R			< 390 U		
Hexachloroethane	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
Isophorone	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
Nitrobenzene	--	--	< 180 U			< 330 U			< 360 U			< 530 U			< 19 U			< 20 U		
N-Nitrosodimethylamine	--	--	< 230 U			< 410 U			< 460 U			< 660 U			< 23 U			< 25 U		
N-Nitroso-Di-N-Propylamine	--	--	< 110 U			< 200 U			< 220 U			< 320 U			< 11 U			< 12 U		
N-Nitrosodiphenylamine	28	40	**77 J**	2.8	1.9	**140 J**	5.0	3.5	**240 J**	8.6	6.0	**< 530 U**			5.8 J			3.5 J		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
PCB Aroclors (µg/kg)																				
Aroclor 1016	--	--	< 390 U			< 460 U			< 480 U			< 140 U			< 3.7 U			< 130 U		
Aroclor 1221	--	--	< 390 U			< 460 U			< 480 U			< 140 U			< 3.7 U			< 130 U		
Aroclor 1232	--	--	< 390 U			< 460 U			< 480 U			< 140 U			< 3.7 U			< 130 U		
Aroclor 1242	--	--	< 390 U			3,100			< 480 U			4,300			< 3.7 U			< 130 U		
Aroclor 1248	--	--	4,500			< 460 U			20,000			< 140 U			24			< 380 U		
Aroclor 1254	--	--	3,400			4,200			10,000			2,100			15			5,000		
Aroclor 1260	--	--	1,300 J			< 1,100 U			2,800			< 140 U			15			1,400		
Aroclor 1262	--	--	< 390 U			< 460 U			< 480 U			2,100			< 3.7 U			< 130 U		
Aroclor 1268	--	--	< 390 U			< 460 U			< 480 U			< 140 U			< 3.7 U			< 130 U		
Total PCB Aroclors	130	1,000	**9,200 J**	71	9.2	**7,300**	56	7.3	**33,000**	250	33	**8,500**	65	8.5	54			**6,400**	49	6.4
Pesticides (µg/kg)																				
4,4'-DDD	--	--	< 9.8 U			< 57 UJ			< 61 U			< 240 U			< 9.2 U			< 32 U		
4,4'-DDE	--	--	< 62 U			< 57 UJ			< 250 U			< 90 U			< 9.2 U			< 200 U		
4,4'-DDT	--	--	< 82 UJ			< 240 UJ			< 340 UJ			< 250 UJ			< 9.2 UJ			< 680 U		
Total DDTs	--	--	< 82 U			< 240 UJ			< 340 U			< 250 U			< 9.2 U			< 680 U		
Aldrin	--	--	< 63 U			< 28 UJ			< 340 U			< 56 U			< 4.6 U			< 16 U		
alpha-BHC	--	--	< 4.9 U			< 28 UJ			< 31 U			< 9.0 U			< 4.6 U			< 16 U		
beta-BHC	--	--	< 10 U			< 28 UJ			< 200 U			< 9.0 U			< 4.6 U			< 16 U		
cis-Chlordane	--	--	< 4.9 U			< 28 UJ			< 31 U			< 33 U			< 4.6 U			< 16 U		
delta-BHC	--	--	< 4.9 U			< 28 UJ			< 31 U			< 56 U			< 4.6 U			< 16 U		
Dieldrin	--	--	< 9.8 U			< 57 UJ			< 61 U			< 37 U			< 9.2 UJ			< 160 U		
Endosulfan I	--	--	< 4.9 U			< 28 UJ			< 31 U			< 9.0 U			< 4.6 U			< 16 U		
Endosulfan II	--	--	< 9.8 U			< 57 UJ			< 61 U			< 18 U			< 9.2 U			< 180 U		
Endosulfan Sulfate	--	--	< 9.8 U			< 57 UJ			< 61 U			< 210 U			< 9.2 U			< 32 U		
Endrin	--	--	< 9.8 U			< 100 UJ			< 260 U			< 18 U			< 9.2 U			< 300 U		
Endrin Aldehyde	--	--	< 9.8 U			< 57 UJ			< 61 U			< 88 U			< 9.2 U			< 32 U		
Endrin Ketone	--	--	< 39 UJ			< 57 UJ			< 120 UJ			< 180 UJ			< 9.2 UJ			< 32 U		
Heptachlor	--	--	< 39 UJ			< 42 UJ			< 270 UJ			< 54 UJ			< 4.6 UJ			< 16 U		
Heptachlor Epoxide	--	--	< 110 U			< 170 UJ			< 490 U			< 18 U			< 9.2 U			< 74 U		
gamma-BHC (Lindane)	--	--	< 13 U			< 28 UJ			< 31 U			< 50 U			< 4.6 U			< 16 U		
Methoxychlor	--	--	< 140 UJ			< 280 UJ			< 310 UJ			< 320 UJ			< 46 UJ			< 160 U		
Toxaphene	--	--	< 980 UJ			< 5700 UJ			< 6,100 UJ			< 1,800 UJ			< 920 UJ			< 3,200 U		
trans-Chlordane	--	--	< 4.9 U			< 28 UJ			< 31 U			< 63 U			< 4.6 U			< 16 U		
Total aldrin/dieldrin	--	--	< 63 U			< 57 UJ			< 340 U			< 56 U			< 9.2 U			< 160 U		
Total Chlordane	--	--	< 4.9 U			< 28 UJ			< 31 U			< 63 U			< 4.6 U			< 16 U		
VOCs (µg/kg)																				
1,1,1,2-Tetrachloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,1,1-Trichloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,1,2,2-Tetrachloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	< 3.4 U			< 6.7 U			< 6.6 U			na			na			na		
1,1,2-Trichloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,1-Dichloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,1-Dichloroethene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,1-Dichloropropene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,2,3-Trichlorobenzene	--	--	< 8.6 U			< 17 U			< 17 UJ			na			na			na		
1,2,3-Trichloropropane	--	--	< 3.4 U			< 6.7 U			< 6.6 UJ			na			na			na		
1,2,4-Trimethylbenzene	--	--	< 1.7 U			< 3.4 U			5.4 J			na			na			na		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
1,2-Dibromo-3-chloropropane	--	--	< 8.6 U			< 17 U			< 17 UJ			na			na			na		
1,2-Dibromoethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,2-Dichloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,2-Dichloropropane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
1,3,5-Trimethylbenzene	--	--	< 1.7 U			< 3.4 U			3.3 J			na			na			na		
1,3-Dichloropropane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
2,2-Dichloropropane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
2-Chloroethylvinylether	--	--	< 8.6 U			< 17 U			< 17 U			na			na			na		
2-Chlorotoluene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
2-Hexanone	--	--	< 8.6 U			< 17 U			< 17 U			na			na			na		
4-Chlorotoluene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
Acetone	--	--	110 J			420			380 J			na			na			na		
Acrolein	--	--	< 86 UJ			< 170 UJ			< 170 UJ			na			na			na		
Acrylonitrile	--	--	< 8.6 U			< 17 U			< 17 U			na			na			na		
Benzene	--	--	< 1.7 U			4.2			7.2			na			na			na		
Bromobenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
Bromochloromethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Bromoethane	--	--	< 3.4 U			< 6.7 U			< 6.6 U			na			na			na		
Bromoform	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
Bromomethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Carbon Disulfide	--	--	29			100 J			8.7			na			na			na		
Carbon Tetrachloride	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Chlorobenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Dibromochloromethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Chloroethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Chloroform	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Chloromethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
cis-1,2-Dichloroethene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
cis-1,3-Dichloropropene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Dibromomethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Bromodichloromethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Dichlorodifluoromethane	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Ethylbenzene	--	--	< 1.7 U			< 3.4 U			3.4			na			na			na		
Isopropylbenzene	--	--	< 1.7 U			< 3.4 U			2.7 J			na			na			na		
m,p-Xylene	--	--	< 1.7 U			3.7			< 3.3 U			na			na			na		
2-Butanone	--	--	26 J			90			98 J			na			na			na		
Iodomethane	--	--	< 1.7 UJ			< 3.4 U			< 3.3 UJ			na			na			na		
4-Methyl-2-Pentanone (MIBK)	--	--	6.9 J			29			9.6 J			na			na			na		
Methyl tert-Butyl Ether	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Methylene Chloride	--	--	< 3.6 U			7.0			< 6.6 U			na			na			na		
n-Butylbenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
n-Propylbenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
o-Xylene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
4-Isopropyltoluene	--	--	< 1.7 U			< 3.4 U			3 J			na			na			na		
sec-Butylbenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
Styrene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
tert-Butylbenzene	--	--	< 1.7 U			< 3.4 U			< 3.3 UJ			na			na			na		
Tetrachloroethene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Toluene	--	--	< 1.7 U			3.3 J			3.7			na			na			na		
Total Xylenes	--	--	< 1.7 U			3.7			< 3.3 U			na			na			na		
trans-1,2-Dichloroethene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
trans-1,3-Dichloropropene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
trans-1,4-Dichloro-2-butene	--	--	< 8.6 UJ			< 17 U			< 17 UJ			na			na			na		
Trichloroethene	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
Trichlorofluoromethane	--	--	< 1.7 U			8.4			6.7			na			na			na		
Vinyl Acetate	--	--	< 8.6 UJ			< 17 UJ			< 17 UJ			na			na			na		
Vinyl Chloride	--	--	< 1.7 U			< 3.4 U			< 3.3 U			na			na			na		
TPH (mg/kg)																				
Gasoline-Range Hydrocarbons	30/100	--	< 19 U			< 19 U			< 35 U			57			na			na		
Diesel-Range Hydrocarbons	2,000	--	**4,700**	2.4		**2,500**	1.3		**7,000**	3.5		**28,000**	14		na			na		
Motor Oil-Range Hydrocarbons	2,000	--	**16,000**	8.0		**11,000**	5.5		**23,000**	12		**56,000**	28		na			na		
Dioxins and Furans (ng/kg)																				
2,3,7,8-TCDD	--	--	na			16.5			na			2.45			na			na		
1,2,3,7,8-PeCDD	--	--	na			25.6			na			11.9			na			na		
1,2,3,4,7,8-HxCDD	--	--	na			25.9			na			11.4			na			na		
1,2,3,6,7,8-HxCDD	--	--	na			124			na			46.8			na			na		
1,2,3,7,8,9-HxCDD	--	--	na			63.8			na			23.9			na			na		
1,2,3,4,6,7,8-HpCDD	--	--	na			2,000			na			1,080			na			na		
OCDD	--	--	na			18,100			na			10,900 J			na			na		
2,3,7,8-TCDF	--	--	na			36.1			na			33.1			na			na		
1,2,3,7,8-PeCDF	--	--	na			23.5			na			19.4			na			na		
2,3,4,7,8-PeCDF	--	--	na			29.5			na			41.3			na			na		
1,2,3,4,7,8-HxCDF	--	--	na			53.5			na			46.7			na			na		
1,2,3,6,7,8-HxCDF	--	--	na			40			na			29.6			na			na		
1,2,3,7,8,9-HxCDF	--	--	na			15.3			na			11.8			na			na		
2,3,4,6,7,8-HxCDF	--	--	na			52.7			na			41.1			na			na		
1,2,3,4,6,7,8-HpCDF	--	--	na			649			na			246			na			na		
1,2,3,4,7,8,9-HpCDF	--	--	na			41.4			na			24.7			na			na		
OCDF	--	--	na			1,590			na			614			na			na		
Dioxin/Furan TEQ, nd SDL*0	25	--	na			**126**	5.0		na			**68.7 J**	2.7		na			na		
Dioxin/Furan TEQ, nd SDL*0.5	25	--	na			**126**	5.0		na			**68.7 J**	2.7		na			na		
Dioxin/Furan TEQ, nd SDL*1	25	--	na			**126**	5.0		na			**68.7 J**	2.7		na			na		
Total TCDD	--	--	na			129			na			44.3 J			na			na		
Total TCDF	--	--	na			555 J			na			386 J			na			na		
Total PeCDD	--	--	na			215			na			82.9			na			na		
Total PeCDF	--	--	na			684 J			na			423 J			na			na		
Total HxCDD	--	--	na			923			na			320			na			na		
Total HxCDF	--	--	na			1,070			na			480			na			na		
Total HpCDD	--	--	na			4,080			na			2,040			na			na		
Total HpCDF	--	--	na			2,150 J			na			663			na			na		
Grain size (%)																				
> 10 Phi Clay	--	--	2.4			17.6			3.7			2.5			0.9			0.6		
8-9 Phi Clay	--	--	2.1			12.6			2.5			1.7			0.8			0.7		
9-10 Phi Clay	--	--	3.6			12.7			3.7			2.9			0.6			0.3		
Very Fine Silt	--	--	2.2			12.5			3.2			3.8			1.3			1.1		
Fine Silt	--	--	5.1			10			14.9			16			1.4			1.0		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			GR-CB-07			GR-MH-03			GR-WS-05			IM-CB-01			IM-CB-02			KC-CB-01		
Collection Date			4/11/2013			4/4/2013			4/11/2013			4/10/2013			4/10/2013			5/30/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Medium Silt	--	--	36.7			4.0			40.1			36			2.4			1.7		
Coarse Silt	--	--	1.8			1.5			3.1			2.6			1.8			1.1		
Total Fines	--	--	53.9			70.9			71.2			65.5			9.2			6.5		
Very Fine Sand	--	--	3.9			4.3			6.1			7.0			4.9			3.8		
Fine Sand	--	--	5.0			5.3			7.7			6.8			9.6			10.7		
Medium Sand	--	--	6.9			6.2			1.2			6.3			15.1			30.5		
Coarse Sand	--	--	6.8			6.5			3.5			4.4			11.5			23.5		
Very Coarse Sand	--	--	6.7			3.8			4.6			3.1			8.8			12.4		
Gravel	--	--	16.7			3.0			5.8			6.9			40.9			12.6		
Conventionals (%)																				
Total Organic Carbon	--	--	9.47			14.2			9.44			12.2			1.09			3.17		
Total Solids	--	--	34.1			30.63			25.08			54.82			84.6			70.55		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Metals (Total) (mg/kg)																				
Antimony	--	--	0.4 J			< 0.3 UJ			< 0.3 UJ			0.5 J			< 0.3 UJ			< 0.3 UJ		
Arsenic	57	93	8.3			2.4			15.5			29			12.3			7.5		
Beryllium	--	--	0.3			< 0.1 U			< 0.3 U			1.4			0.4			< 0.3 U		
Cadmium	5.1	6.7	**18.4**	3.6	2.7	0.2			0.6			0.1			1.0			0.3		
Chromium	260	270	66.2			9.3			13.6			32.9			35.2			41.3		
Copper	390	390	149			13.5			31.8			276			186			135 J		
Lead	450	530	234 J			8.4			45.4 J			20.5			18.5			28.5		
Mercury	0.41	0.59	**2.83**	6.9	4.8	< 0.02 U			< 0.03 U			< 0.03 U			0.06			0.08 J		
Nickel	--	--	48.1			8.6			21.5			39.9			30.4			41.7		
Selenium	--	--	< 0.8 U			< 0.7 U			< 0.6 U			1.0			< 0.8 U			< 0.6 U		
Silver	6.1	6.1	1.1			< 0.3 U			< 0.3 U			1.2			0.7			< 0.3 U		
Thallium	--	--	< 0.3 U			< 0.3 U			< 0.3 U			< 0.2 U			< 0.3 U			< 0.3 U		
Zinc	410	960	**813**	2.0		32			159			**584 J**	1.4		241 J			**1,860**	4.5	1.9
PAHs (µg/kg)																				
1-Methylnaphthalene	--	--	30 J			< 19 U			< 39 U			200			240			< 56 U		
2-Chloronaphthalene	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
2-Methylnaphthalene	670	1,400	51 J			< 19 U			22 J			310			220			< 56 U		
Acenaphthene	500	730	240			< 19 U			31 J			20			26			< 56 U		
Acenaphthylene	1,300	1,300	110			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
Anthracene	960	4,400	220			< 19 U			140			60			76			< 56 U		
Benzo(a)anthracene	1,300	1,600	840			10 J			1,000 J			130			190			72		
Benzo(a)pyrene	1,600	3,000	1,200			16 J			1,300 J			160			180			100		
Benzo(g,h,i)perylene	670	720	**920**	1.4	1.3	12 J			**990 J**	1.5	1.4	140			91			< 56 U		
Chrysene	1,400	2,800	**1,600**	1.1		20			**1,500 J**	1.1		170			260			200		
Dibenz(a,h)anthracene	230	540	**350**	1.5		4.7			**370**	1.6		78			30			18		
Dibenzofuran	540	700	89			< 19 U			51			56			25			< 56 U		
Fluoranthene	1,700	2,500	**2,500**	1.5		30			**2,600**	1.5	1	140			340			180		
Fluorene	540	1,000	130			< 19 U			63			45			48			< 56 U		
Indeno(1,2,3-cd)pyrene	600	690	**920**	1.5	1.3	12 J			**970 J**	1.6	1.4	56			65			< 56 U		
Naphthalene	2,100	2,400	64			< 4.7 U			22 J			170			100			56		
Phenanthrene	1,500	5,400	**1,800**	1.2		10 J			1,400 J			220			220			89		
Pyrene	2,600	3,300	2,200			32			2,300			180			570			220		
Total Benzofluoranthenes	3,200	3,600	2,900			39			2,600 J			120			270			200		
Total HPAHs	12,000	17,000	**13,000**	1.1		180 J			**14,000 J**	1.2		1,200			2,000			990		
Total LPAHs	5,200	13,000	2,600			10 J			1,700 J			520			470			150		
Total PAHs	--	--	16,000			190 J			15,000 J			1,700			2,500			1,100		
cPAHs, nd RL*0	1,000	--	**1,700**	1.7		23 J			**1,800 J**	1.8		200			240			130		
cPAHs, nd RL*0.5	1,000	--	**1,700**	1.7		23 J			**1,800 J**	1.8		200			240			130		
cPAHs, nd RL*1	1,000	--	**1,700**	1.7		23 J			**1,800 J**	1.8		200			240			140		
Phthalates (µg/kg)																				
bis(2-Ethylhexyl)phthalate	1,300	1,900	**3,400**	2.6	1.8	34			81			520			850			**1,700**	1.3	
Butylbenzylphthalate	63	900	**450 J**	7.1		< 4.7 U			7.3 J			38			50			**340 J**	5.4	
Di-n-Butylphthalate	1,400	5,100	140			< 19 U			< 39 U			13 J			< 20 U			44 J		
Diethylphthalate	200	1,200	< 29 U			< 11 U			< 6.2 U			< 4.9 UJ			< 5 UJ			< 14 U		
Dimethylphthalate	71	160	27 J			< 4.7 U			< 4.9 U			5.6			< 5 U			< 14 U		
Di-n-Octyl phthalate	6,200	--	100			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Phenols (µg/kg)																				
2,4,5-Trichlorophenol	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
2,4,6-Trichlorophenol	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
2,4-Dichlorophenol	--	--	< 540 U			< 190 U			< 390 U			< 200 U			< 200 U			< 560 U		
2,4-Dimethylphenol	29	29	**< 54 U**			< 19 U			3.8 J			**30**	1.0	1.0	< 20 U			**< 56 U**		
2,4-Dinitrophenol	--	--	< 2,300 U			< 800 U			< 1,700 U			< 830 U			< 850 U			< 2400 U		
2-Chlorophenol	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
2-Methylphenol	63	63	7.0 J			< 4.7 U			< 4.9 U			25			7.1			< 14 U		
2-Nitrophenol	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
4,6-Dinitro-2-Methylphenol	--	--	< 540 U			< 190 U			< 390 U			< 200 U			< 200 U			< 560 U		
4-Chloro-3-methylphenol	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
4-Methylphenol	670	670	62			< 19 U			< 39 U			45			18 J			< 56 U		
4-Nitrophenol	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
Pentachlorophenol	360	690	< 130 U			< 47 U			< 49 U			< 49 U			< 50 U			< 140 U		
Phenol	420	1,200	200			< 19 U			< 39 U			120			43			39 J		
Other SVOCs (µg/kg)																				
1,2,4-Trichlorobenzene	31	51	< 13 U			< 4.7 U			< 3.9 U			< 4.9 U			< 5.0 U			< 2.7 U		
1,2-Dichlorobenzene	35	50	< 13 U			3.8 J			< 0.8 U			< 4.9 U			< 1.5 U			< 0.6 U		
1,3-Dichlorobenzene	--	--	< 13 U			< 0.9 U			< 0.8 U			< 4.9 U			< 1.5 U			< 0.6 U		
1,4-Dichlorobenzene	110	120	< 13 U			2.6 J			< 0.8 U			3.8 J			< 1.5 U			< 0.6 U		
2,4-Dinitrotoluene	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
2,6-Dinitrotoluene	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
2-Nitroaniline	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
3,3'-Dichlorobenzidine	--	--	< 400 U			< 140 U			R			R			< 150 U			< 420 U		
3-Nitroaniline	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
4-Bromophenyl-phenylether	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
4-Chloroaniline	--	--	< 730 U			< 260 U			R			< 260 UJ			< 270 U			< 750 U		
4-Chlorophenyl-phenylether	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
4-Nitroaniline	--	--	< 270 U			< 95 U			< 200 U			< 98 U			< 100 U			< 280 U		
Aniline	--	--	< 1,400 U			< 510 U			R			R			R			< 1,500 U		
Benzoic Acid	650	650	**680 J**	1.0	1.0	< 380 U			**< 790 U**			R			< 400 U			**< 1,100 U**		
Benzyl Alcohol	57	73	< 54 U			< 19 U			< 20 U			20			14 J			< 56 U		
2,2'-Oxybis(1-Chloropropane)	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
bis(2-Chloroethoxy) Methane	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
Bis-(2-Chloroethyl) Ether	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
Carbazole	--	--	340			< 19 U			360 J			37			< 20 U			< 56 U		
Hexachlorobenzene	22	70	< 13 U			< 4.7 U			< 4.7 U			< 4.9 U			< 4.9 U			< 9.4 U		
Hexachlorobutadiene	11	120	**< 13 U**			< 4.7 U			< 3.9 U			< 4.9 U			< 4.9 U			< 2.7 U		
Hexachlorocyclopentadiene	--	--	< 1,100 U			< 380 U			< 790 U			R			< 400 U			< 1,100 U		
Hexachloroethane	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
Isophorone	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
Nitrobenzene	--	--	< 54 U			< 19 U			< 39 U			< 20 U			< 20 U			< 56 U		
N-Nitrosodimethylamine	--	--	< 67 U			< 24 U			< 25 U			< 24 U			< 25 U			< 69 U		
N-Nitroso-Di-N-Propylamine	--	--	< 32 U			< 11 U			< 12 U			< 12 U			< 12 U			< 33 U		
N-Nitrosodiphenylamine	28	40	13 J			< 19 U			< 20 U			< 20 U			< 20 U			11 J		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
PCB Aroclors (µg/kg)																				
Aroclor 1016	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Aroclor 1221	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Aroclor 1232	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Aroclor 1242	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Aroclor 1248	--	--	< 8,000 U			< 3.9 U			< 3.8 U			< 12 U			< 5.8 U			80		
Aroclor 1254	--	--	120,000			17			6.5			40			14			46		
Aroclor 1260	--	--	26,000			15			9.7			14			8.8			17		
Aroclor 1262	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Aroclor 1268	--	--	< 320 U			< 3.9 U			< 3.8 U			< 4.0 U			< 3.9 U			< 3.8 U		
Total PCB Aroclors	130	1,000	**150,000**	1,200	150	32			16			54			23			**140**	1.1	
Pesticides (µg/kg)																				
4,4'-DDD	--	--	< 80 U			< 4.8 U			< 4.7 U			< 5.0 UJ			< 4.9 UJ			< 9.4 U		
4,4'-DDE	--	--	< 3,500 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 U		
4,4'-DDT	--	--	< 10,000 U			< 4.8 U			< 4.7 UJ			< 5.0 U			< 4.9 U			< 9.4 UJ		
Total DDTs	--	--	< 10,000 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 U		
Aldrin	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 UJ			< 4.7 U		
alpha-BHC	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 UJ			< 2.4 UJ			< 4.7 U		
beta-BHC	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 U			< 4.7 U		
cis-Chlordane	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 UJ			< 2.4 UJ			< 4.7 U		
delta-BHC	--	--	< 40 U			< 2.4 U			< 2.4 UJ			< 2.5 UJ			< 2.4 UJ			< 4.7 U		
Dieldrin	--	--	< 2,400 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 UJ			< 9.4 U		
Endosulfan I	--	--	< 970 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 U			< 4.7 U		
Endosulfan II	--	--	< 560 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 U		
Endosulfan Sulfate	--	--	< 80 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 UJ			< 9.4 U		
Endrin	--	--	< 660 U			< 4.8 U			< 4.7 UJ			< 5.0 U			< 4.9 U			< 9.4 U		
Endrin Aldehyde	--	--	< 670 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 U		
Endrin Ketone	--	--	< 1,800 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 UJ		
Heptachlor	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 U			< 4.7 UJ		
Heptachlor Epoxide	--	--	< 1,600 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 U			< 9.4 U		
gamma-BHC (Lindane)	--	--	< 40 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 U			< 4.7 U		
Methoxychlor	--	--	< 400 U			< 24 U			< 24 UJ			< 25 U			< 24 UJ			< 47 UJ		
Toxaphene	--	--	< 8,000 U			< 480 U			< 470 U			< 500 U			< 490 U			< 940 UJ		
trans-Chlordane	--	--	< 990 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 UJ			< 4.7 U		
Total aldrin/dieldrin	--	--	< 2,400 U			< 4.8 U			< 4.7 U			< 5.0 U			< 4.9 UJ			< 9.4 U		
Total Chlordane	--	--	< 990 U			< 2.4 U			< 2.4 U			< 2.5 U			< 2.4 UJ			< 4.7 U		
VOCs (µg/kg)																				
1,1,1,2-Tetrachloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1,1-Trichloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1,2,2-Tetrachloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	na			< 1.9 U			< 1.6 U			na			< 2.9 U			< 1.1 U		
1,1,2-Trichloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1-Dichloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1-Dichloroethene	--	--	na			< 0.9 UJ			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,1-Dichloropropene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,2,3-Trichlorobenzene	--	--	na			< 4.7 U			< 3.9 U			na			< 7.4 U			< 2.7 U		
1,2,3-Trichloropropane	--	--	na			< 1.9 U			< 1.6 U			na			< 2.9 U			< 1.1 U		
1,2,4-Trimethylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			4.5		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
1,2-Dibromo-3-chloropropane	--	--	na			< 4.7 U			< 3.9 U			na			< 7.4 U			< 2.7 U		
1,2-Dibromoethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,2-Dichloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,2-Dichloropropane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
1,3,5-Trimethylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			2.3		
1,3-Dichloropropane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
2,2-Dichloropropane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
2-Chloroethylvinylether	--	--	na			< 4.7 U			< 3.9 U			na			R			< 2.7 U		
2-Chlorotoluene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
2-Hexanone	--	--	na			< 4.7 U			< 3.9 U			na			< 7.4 U			< 2.7 U		
4-Chlorotoluene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Acetone	--	--	na			< 4.7 U			130			na			< 7.4 U			83 J		
Acrolein	--	--	na			< 47 UJ			< 39 U			na			< 74 U			< 27 UJ		
Acrylonitrile	--	--	na			< 4.7 U			< 3.9 U			na			< 7.4 U			< 2.7 U		
Benzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Bromobenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Bromochloromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Bromoethane	--	--	na			< 1.9 UJ			< 1.6 U			na			< 2.9 U			< 1.1 U		
Bromoform	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Bromomethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 UJ		
Carbon Disulfide	--	--	na			7.3			5.9			na			4.8			1.4		
Carbon Tetrachloride	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Chlorobenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Dibromochloromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Chloroethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Chloroform	--	--	na			< 0.9 U			< 0.8 U			na			0.9 J			< 0.6 U		
Chloromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
cis-1,2-Dichloroethene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
cis-1,3-Dichloropropene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Dibromomethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Bromodichloromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Dichlorodifluoromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Ethylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			1.4		
Isopropylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			0.4 J		
m,p-Xylene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			5.3		
2-Butanone	--	--	na			< 4.7 U			8.4			na			< 7.4 U			20 J		
Iodomethane	--	--	na			< 0.9 UJ			< 0.8 U			na			< 1.5 U			< 0.6 UJ		
4-Methyl-2-Pentanone (MIBK)	--	--	na			< 4.7 U			< 3.9 U			na			< 7.4 U			5.6		
Methyl tert-Butyl Ether	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Methylene Chloride	--	--	na			2.0			< 1.2 U			na			< 2.9 U			< 2.1 U		
n-Butylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
n-Propylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			0.4 J		
o-Xylene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			5.5		
4-Isopropyltoluene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			1.4		
sec-Butylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			0.8		
Styrene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
tert-Butylbenzene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Tetrachloroethene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Toluene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			0.7		
Total Xylenes	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			11		
trans-1,2-Dichloroethene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
trans-1,3-Dichloropropene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
trans-1,4-Dichloro-2-butene	--	--	na			< 4.7 UJ			< 3.9 UJ			na			< 7.4 U			< 2.7 UJ		
Trichloroethene	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
Trichlorofluoromethane	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			0.3 J		
Vinyl Acetate	--	--	na			< 4.7 UJ			< 3.9 UJ			na			< 7.4 U			< 2.7 UJ		
Vinyl Chloride	--	--	na			< 0.9 U			< 0.8 U			na			< 1.5 U			< 0.6 U		
TPH (mg/kg)																				
Gasoline-Range Hydrocarbons	30/100	--	na			30			< 6.2 U			na			< 7.5 U			< 5.2 U		
Diesel-Range Hydrocarbons	2,000	--	na			53			150 J			na			1,100			430		
Motor Oil-Range Hydrocarbons	2,000	--	na			110			730			na			**2,300**	1.2		**2,400**	1.2	
Dioxins and Furans (ng/kg)																				
2,3,7,8-TCDD	--	--	na			1.54			< 0.452 U			< 0.214 U			< 0.259 U			< 0.359 U		
1,2,3,7,8-PeCDD	--	--	na			0.277 J			1.1			< 0.3 U			0.525 J			1.88		
1,2,3,4,7,8-HxCDD	--	--	na			< 0.101 U			1.01			< 0.329 U			< 0.527 U			2.63		
1,2,3,6,7,8-HxCDD	--	--	na			0.51 J			2.49			0.942 J			0.986 J			6.6		
1,2,3,7,8,9-HxCDD	--	--	na			0.366 J			2.18			0.7 J			0.883 J			5.13		
1,2,3,4,6,7,8-HpCDD	--	--	na			4.64			39.7			23.4			17.3			162		
OCDD	--	--	na			37.9			315			189			144			1,750		
2,3,7,8-TCDF	--	--	na			< 0.206 U			< 0.423 U			< 0.489 U			0.514 J			0.667		
1,2,3,7,8-PeCDF	--	--	na			< 0.245 U			< 0.384 U			0.353 J			< 0.45 U			0.503 J		
2,3,4,7,8-PeCDF	--	--	na			< 0.235 U			0.741 J			< 0.31 U			< 0.517 U			0.68 J		
1,2,3,4,7,8-HxCDF	--	--	na			< 0.518 U			1.11			< 0.752 U			0.621 J			1.46		
1,2,3,6,7,8-HxCDF	--	--	na			0.324 J			0.718 J			0.406 J			0.513 J			1.2		
1,2,3,7,8,9-HxCDF	--	--	na			< 0.233 U			0.506 J			0.257 J			0.299 J			0.324 J		
2,3,4,6,7,8-HxCDF	--	--	na			0.237 J			1.03			0.464 J			0.682 J			1.88		
1,2,3,4,6,7,8-HpCDF	--	--	na			1.37			6.31			4.41 J			3.39 J			27.4 J		
1,2,3,4,7,8,9-HpCDF	--	--	na			< 0.227 U			< 0.438 U			0.774 J			< 0.455 U			1.92		
OCDF	--	--	na			2.95			10.6			10.9			< 8.71 U			91.6		
Dioxin/Furan TEQ, nd SDL*0	25	--	na			2.03 J			2.78 J			0.633 J			1.22 J			6.55 J		
Dioxin/Furan TEQ, nd SDL*0.5	25	--	na			2.13 J			3.04 J			1.02 J			1.47 J			6.73 J		
Dioxin/Furan TEQ, nd SDL*1	25	--	na			2.22 J			3.29 J			1.4 J			1.71 J			6.91 J		
Total TCDD	--	--	na			3.43 J			6.78 J			5.66 J			5.9 J			4.3 J		
Total TCDF	--	--	na			2.32 J			16.8 J			4.37 J			7.4 J			12.5 J		
Total PeCDD	--	--	na			2.73 J			10.8 J			8.02 J			7.07 J			9.32		
Total PeCDF	--	--	na			5.37 J			43.2 J			5.49 J			7.43 J			16.3 J		
Total HxCDD	--	--	na			5.32 J			29.2 J			15.5 J			12.8 J			54.1 J		
Total HxCDF	--	--	na			4.03 J			22.8 J			8.06 J			6.73 J			34.5 J		
Total HpCDD	--	--	na			10.6			95.9			71.4			37.6			365		
Total HpCDF	--	--	na			4.25 J			16.7 J			13.3 J			9.18 J			84.1 J		
Grain size (%)																				
> 10 Phi Clay	--	--	3.2			0.4			0.2			na			3.6			2.2		
8-9 Phi Clay	--	--	5.2			0.2			0.1			na			1.7			1.8		
9-10 Phi Clay	--	--	3.7			0.1			0.1			na			0.8			1.2		
Very Fine Silt	--	--	7.6			0.4			0.1			na			2.6			2.5		
Fine Silt	--	--	7.6			0.2			0.2			na			30			3.7		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			KC-DD-2009			KC-IV-SPS			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421		
Collection Date			5/30/2013			5/31/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Medium Silt	--	--	8.6			0.2			0.2			na			19.2			5.2		
Coarse Silt	--	--	3.0			0.2			0.1			na			5.4			3.6		
Total Fines	--	--	38.9			1.7			1.0			na			63.3			20.2		
Very Fine Sand	--	--	6.6			0.8			0.8			na			13.6			8.3		
Fine Sand	--	--	12.7			10			4.9			na			8.8			8.9		
Medium Sand	--	--	18.4			49.3			32.9			na			7.7			12.7		
Coarse Sand	--	--	12.9			31			36.6			na			4.9			12.6		
Very Coarse Sand	--	--	6.3			6.3			9.7			na			1.2			11.3		
Gravel	--	--	4.3			0.9			14.1			na			0.5			26		
Conventionals (%)																				
Total Organic Carbon	--	--	6			0.495			3.24			2.04			1.22			2.22		
Total Solids	--	--	60.91			72.33			72.42			70.53			55.6			79.54		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Metals (Total) (mg/kg)																				
Antimony	--	--	< 0.2 UJ			< 0.2 UJ			< 0.3 UJ			< 0.3 UJ			< 0.5 UJ			< 0.5 UJ		
Arsenic	57	93	11.9			11.6			12.5			18.1			3.9			9.1		
Beryllium	--	--	< 0.3 U			< 0.3 U			< 0.3 U			< 0.3 U			< 0.2 U			< 0.2 U		
Cadmium	5.1	6.7	0.3			0.5			0.4			0.5			1.2			4.3		
Chromium	260	270	60.8			31.1			36.8			57.1			28 J			76 J		
Copper	390	390	87.8 J			216 J			174 J			122 J			79.8 J			225 J		
Lead	450	530	52.1			69.8			103			58			62.5 J			225 J		
Mercury	0.41	0.59	0.06 J			0.06 J			0.04 J			0.12 J			0.15			0.36		
Nickel	--	--	41.9			34			31.1			61.6			25			74		
Selenium	--	--	< 0.6 U			< 0.6 U			< 0.7 U			< 0.7 U			< 1.0 U			< 1.0 U		
Silver	6.1	6.1	0.3			< 0.2 U			< 0.3 U			< 0.3 U			< 0.5 U			1.2		
Thallium	--	--	< 0.2 U			< 0.2 U			< 0.3 U			< 0.3 U			< 0.5 U			0.6		
Zinc	410	960	**611**	1.5		**857**	2.1		**815**	2.0		**1,230**	3.0	1.3	**663**	1.6		**1,710**	4.2	1.8
PAHs (µg/kg)																				
1-Methylnaphthalene	--	--	< 58 U			250			< 62 U			< 71 U			300			< 420 U		
2-Chloronaphthalene	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
2-Methylnaphthalene	670	1,400	< 58 U			470			< 62 U			39 J			**1,400**	2.1		< 420 U		
Acenaphthene	500	730	< 58 U			340			< 62 U			85			**2,400**	4.8	3.3	< 420 U		
Acenaphthylene	1,300	1,300	< 58 U			< 62 U			< 62 U			< 71 U			430			< 420 U		
Anthracene	960	4,400	< 58 U			220			43 J			230			**25,000**	26	5.7	< 420 U		
Benzo(a)anthracene	1,300	1,600	44 J			420			160			370			**17,000**	13	11	230 J		
Benzo(a)pyrene	1,600	3,000	50 J			290			180			230			**6,800**	4.3	2.3	< 420 U		
Benzo(g,h,i)perylene	670	720	50 J			200			100			160			**2,200 J**	3.3	3.1	600		
Chrysene	1,400	2,800	130			650			380			750			**33,000**	24	12	540		
Dibenz(a,h)anthracene	230	540	14 J			90			40 J			70			**1,100**	4.8	2.0	130		
Dibenzofuran	540	700	< 58 U			320			< 62 U			85			**5,000**	9.3	7.1	< 420 U		
Fluoranthene	1,700	2,500	170			**1,800**	1.1		520			1,700			**120,000**	71	48	790		
Fluorene	540	1,000	< 58 U			330			< 62 U			120			**16,000**	30	16	< 420 U		
Indeno(1,2,3-cd)pyrene	600	690	< 58 U			150			68			110			**2,500**	4.2	3.6	< 420 U		
Naphthalene	2,100	2,400	< 1.8 UJ			900			< 1.2 UJ			57 J			710			< 420 U		
Phenanthrene	1,500	5,400	82			**2,000**	1.3		160			990			**110,000**	73	20	620		
Pyrene	2,600	3,300	190			1,600			540			1,400			**81,000**	31	25	960		
Total Benzofluoranthenes	3,200	3,600	120			720			490			600			**25,000**	7.8	6.9	940		
Total HPAHs	12,000	17,000	770 J			5,900			2,500 J			5,400			**290,000 J**	24	17	4,200 J		
Total LPAHs	5,200	13,000	82			3,800			200 J			1,500 J			**150,000**	29	12	620		
Total PAHs	--	--	850 J			9,700			2,700 J			6,900 J			440,000 J			4,800 J		
cPAHs, nd RL*0	1,000	--	69 J			430			260 J			350			**12,000**	12		140 J		
cPAHs, nd RL*0.5	1,000	--	72 J			430			260 J			350			**12,000**	12		370 J		
cPAHs, nd RL*1	1,000	--	75 J			430			260 J			350			**12,000**	12		600 J		
Phthalates (µg/kg)																				
bis(2-Ethylhexyl)phthalate	1,300	1,900	**1,800**	1.4		**2,200**	1.7	1.2	**1,800**	1.4		**2,500**	1.9	1.3	**4,700**	3.6	2.5	**42,000**	32	22
Butylbenzylphthalate	63	900	**490 J**	7.8		**1,200 J**	19	1.3	**520 J**	8.3		**960 J**	15	1.1	**2,000 J**	32	2.2	**1,300**	21	1.4
Di-n-Butylphthalate	1,400	5,100	35 J			**6,200**	4.4	1.2	< 62 U			110			380 J			< 420 U		
Diethylphthalate	200	1,200	16			< 16 U			11 J			< 18 U			< 25 U			< 190 U		
Dimethylphthalate	71	160	< 15 U			< 16 U			< 15 U			10 J			**110 J**	1.5		**270 J**	3.8	1.7
Di-n-Octyl phthalate	6,200	--	< 58 U			< 62 U			100			89			340			< 420 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Phenols (µg/kg)																				
2,4,5-Trichlorophenol	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
2,4,6-Trichlorophenol	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
2,4-Dichlorophenol	--	--	< 580 U			< 620 U			< 620 U			< 710 U			< 1,400 U			< 4,200 U		
2,4-Dimethylphenol	29	29	**< 58 U**			**47 J**	1.6	1.6	**< 62 U**			11 J			**150**	5.2	5.2	**< 420 U**		
2,4-Dinitrophenol	--	--	< 2500 UJ			< 2600 U			< 2,600 U			< 3,000 U			R			< 18,000 U		
2-Chlorophenol	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
2-Methylphenol	63	63	< 15 U			**260**	4.1	4.1	< 15 U			14 J			**530 J**	8.4	8.4	**< 100 U**		
2-Nitrophenol	--	--	< 290 U			< 310 U			< 310 U			< 360 U			R			< 2,100 U		
4,6-Dinitro-2-Methylphenol	--	--	< 580 U			< 620 U			< 620 U			< 710 U			R			< 4,200 U		
4-Chloro-3-methylphenol	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
4-Methylphenol	670	670	< 58 U			150			37 J			< 71 U			**7,300**	11	11	**3,800**	5.7	5.7
4-Nitrophenol	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
Pentachlorophenol	360	690	< 150 U			58 J			< 150 U			97 J			< 360 UJ			**< 1,000 UJ**		
Phenol	420	1,200	35 J			53 J			< 62 U			100			**2,400 J**	5.7	2.0	**500 J**	1.2	
Other SVOCs (µg/kg)																				
1,2,4-Trichlorobenzene	31	51	< 3.4 UJ			< 3.7 U			< 3.4 UJ			< 3.5 U			**< 36 U**			**< 100 U**		
1,2-Dichlorobenzene	35	50	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			**< 36 U**			**< 100 U**		
1,3-Dichlorobenzene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 36 U			< 100 U		
1,4-Dichlorobenzene	110	120	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 36 U			< 100 U		
2,4-Dinitrotoluene	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
2,6-Dinitrotoluene	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
2-Nitroaniline	--	--	< 290 U			< 310 U			< 310 U			< 360 U			< 710 U			< 2,100 U		
3,3'-Dichlorobenzidine	--	--	R			< 470 U			< 460 U			< 530 U			R			< 3,100 U		
3-Nitroaniline	--	--	< 290 U			< 310 U			< 310 U			< 360 U			R			< 2,100 U		
4-Bromophenyl-phenylether	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
4-Chloroaniline	--	--	< 790 UJ			< 840 U			< 830 U			< 960 U			R			< 5,600 U		
4-Chlorophenyl-phenylether	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
4-Nitroaniline	--	--	< 290 U			< 310 U			< 310 U			< 360 U			R			< 2,100 U		
Aniline	--	--	R			< 1,700 U			< 1,700 U			< 1,900 U			R			< 11,000 U		
Benzoic Acid	650	650	**< 1,200 U**			**< 1,200 U**			**< 1,200 U**			**< 1,400 U**			**6,200**	9.5	9.5	**< 8,300 U**		
Benzyl Alcohol	57	73	**< 58 U**			**< 62 U**			**< 62 U**			53 J			R			R		
2,2'-Oxybis(1-Chloropropane)	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
bis(2-Chloroethoxy) Methane	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
Bis-(2-Chloroethyl) Ether	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
Carbazole	--	--	< 58 U			93			43 J			89			21,000			< 420 U		
Hexachlorobenzene	22	70	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			**< 36 U**			< 21 UJ		
Hexachlorobutadiene	11	120	< 3.4 UJ			< 3.7 U			< 3.4 UJ			< 3.5 U			**< 36 U**			**< 21 UJ**		
Hexachlorocyclopentadiene	--	--	R			< 1,200 U			< 1,200 U			< 1,400 U			R			< 8,300 U		
Hexachloroethane	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
Isophorone	--	--	< 58 U			75			< 62 U			< 71 U			< 140 U			< 420 U		
Nitrobenzene	--	--	< 58 U			< 62 U			< 62 U			< 71 U			< 140 U			< 420 U		
N-Nitrosodimethylamine	--	--	< 73 U			< 78 U			< 77 U			< 89 U			< 180 U			< 520 U		
N-Nitroso-Di-N-Propylamine	--	--	< 35 U			< 37 U			< 37 U			< 43 U			< 86 U			< 250 U		
N-Nitrosodiphenylamine	28	40	12 J			**37 J**	1.3		20 J			**45 J**	1.6	1.1	**140 J**	5.0	3.5	**110 J**	3.9	2.8

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
PCB Aroclors (µg/kg)																				
Aroclor 1016	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Aroclor 1221	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Aroclor 1232	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Aroclor 1242	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Aroclor 1248	--	--	54			< 7.8 U			< 5.8 U			< 9.6 U			170			180		
Aroclor 1254	--	--	38			31			25			18			200			300		
Aroclor 1260	--	--	9.5			17			14 J			11			130			93		
Aroclor 1262	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Aroclor 1268	--	--	< 3.9 U			< 3.9 U			< 3.9 U			< 3.8 U			< 7.1 U			< 8.4 U		
Total PCB Aroclors	130	1,000	100			48			39 J			29			**500**	3.8		**570**	4.4	
Pesticides (µg/kg)																				
4,4'-DDD	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
4,4'-DDE	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
4,4'-DDT	--	--	< 9.8 UJ			< 9.7 UJ			< 9.7 UJ			< 9.6 UJ			< 36 U			< 21 UJ		
Total DDTs	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Aldrin	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
alpha-BHC	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
beta-BHC	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 5.2 U			< 18 U			< 11 UJ		
cis-Chlordane	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 46 UJ		
delta-BHC	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
Dieldrin	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Endosulfan I	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
Endosulfan II	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Endosulfan Sulfate	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 75 UJ		
Endrin	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Endrin Aldehyde	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Endrin Ketone	--	--	< 9.8 UJ			< 9.7 UJ			< 9.7 UJ			< 9.6 UJ			< 36 U			< 21 UJ		
Heptachlor	--	--	< 4.9 UJ			< 4.9 UJ			< 4.8 UJ			< 4.8 UJ			< 18 U			< 11 UJ		
Heptachlor Epoxide	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
gamma-BHC (Lindane)	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
Methoxychlor	--	--	< 49 UJ			< 49 UJ			< 48 UJ			< 48 UJ			< 180 U			< 110 UJ		
Toxaphene	--	--	< 980 UJ			< 970 UJ			< 970 UJ			< 960 UJ			< 3,600 U			< 2,100 UJ		
trans-Chlordane	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 11 UJ		
Total aldrin/dieldrin	--	--	< 9.8 U			< 9.7 U			< 9.7 U			< 9.6 U			< 36 U			< 21 UJ		
Total Chlordane	--	--	< 4.9 U			< 4.9 U			< 4.8 U			< 4.8 U			< 18 U			< 46 UJ		
VOCs (µg/kg)																				
1,1,1,2-Tetrachloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,1,1-Trichloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,1,2,2-Tetrachloroethane	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	< 1.4 U			< 1.5 U			< 1.4 U			< 1.4 U			< 5,600 U			na		
1,1,2-Trichloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,1-Dichloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,1-Dichloroethene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,1-Dichloropropene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,2,3-Trichlorobenzene	--	--	< 3.4 UJ			< 3.7 U			< 3.4 UJ			< 3.5 U			< 14,000 U			na		
1,2,3-Trichloropropane	--	--	< 1.4 UJ			< 1.5 U			< 1.4 UJ			< 1.4 U			< 5,600 U			na		
1,2,4-Trimethylbenzene	--	--	28 J			< 0.7 U			1.1 J			4.0			< 2,800 U			na		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
1,2-Dibromo-3-chloropropane	--	--	< 3.4 UJ			< 3.7 U			< 3.4 UJ			< 3.5 U			< 14,000 U			na		
1,2-Dibromoethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,2-Dichloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,2-Dichloropropane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
1,3,5-Trimethylbenzene	--	--	10 J			< 0.7 U			0.6 J			2.1			< 2,800 U			na		
1,3-Dichloropropane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
2,2-Dichloropropane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
2-Chloroethylvinylether	--	--	< 3.4 U			< 3.7 U			< 3.4 U			< 3.5 U			< 14,000 UJ			na		
2-Chlorotoluene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
2-Hexanone	--	--	< 3.4 U			< 3.7 U			< 3.4 U			< 3.5 U			< 14,000 U			na		
4-Chlorotoluene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
Acetone	--	--	67 J			< 3.7 U			110 J			120 J			< 14,000 U			na		
Acrolein	--	--	< 34 UJ			< 37 UJ			< 34 UJ			< 35 UJ			< 140,000 U			na		
Acrylonitrile	--	--	< 3.4 U			< 3.7 U			< 3.4 U			< 3.5 U			< 14,000 U			na		
Benzene	--	--	1.2			0.5 J			0.5 J			0.7			< 2,800 U			na		
Bromobenzene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
Bromochloromethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Bromoethane	--	--	< 1.4 U			< 1.5 U			< 1.4 U			< 1.4 U			< 5,600 U			na		
Bromoform	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
Bromomethane	--	--	< 0.7 UJ			< 0.7 UJ			0.6 J			0.8 J			< 5,600 U			na		
Carbon Disulfide	--	--	4.2			1.7			13			4.0			< 2,800 U			na		
Carbon Tetrachloride	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Chlorobenzene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Dibromochloromethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Chloroethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Chloroform	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Chloromethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
cis-1,2-Dichloroethene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
cis-1,3-Dichloropropene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Dibromomethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Bromodichloromethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Dichlorodifluoromethane	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Ethylbenzene	--	--	1.9			< 0.7 U			0.7			1.0			< 2,800 U			na		
Isopropylbenzene	--	--	1.2 J			< 0.7 U			< 0.7 UJ			0.4 J			< 2,800 U			na		
m,p-Xylene	--	--	7.0			0.6 J			3.8			2.8			< 2,800 U			na		
2-Butanone	--	--	25 J			15 J			29 J			33 J			< 14,000 U			na		
Iodomethane	--	--	< 0.7 UJ			< 0.7 UJ			1.0 J			0.7 J			< 2,800 UJ			na		
4-Methyl-2-Pentanone (MIBK)	--	--	26			15			38			81			< 14,000 U			na		
Methyl tert-Butyl Ether	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Methylene Chloride	--	--	< 2.4 U			< 2.9 U			< 2.5 U			< 2 U			< 5,600 U			na		
n-Butylbenzene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
n-Propylbenzene	--	--	1.2 J			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
o-Xylene	--	--	12			1.5			6.1			5.4			< 2,800 U			na		
4-Isopropyltoluene	--	--	0.4 J			< 0.7 U			0.4 J			< 0.7 U			< 2,800 U			na		
sec-Butylbenzene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
Styrene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
tert-Butylbenzene	--	--	< 0.7 UJ			< 0.7 U			< 0.7 UJ			< 0.7 U			< 2,800 U			na		
Tetrachloroethene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Toluene	--	--	1.1			0.5 J			0.6 J			0.9			12,000			na		
Total Xylenes	--	--	19			2.1 J			9.9			8.2			< 2,800 U			na		
trans-1,2-Dichloroethene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
trans-1,3-Dichloropropene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
trans-1,4-Dichloro-2-butene	--	--	< 3.4 UJ			< 3.7 UJ			< 3.4 UJ			< 3.5 UJ			< 14,000 UJ			na		
Trichloroethene	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
Trichlorofluoromethane	--	--	0.5 J			< 0.7 U			< 0.7 U			0.7			1,900 J			na		
Vinyl Acetate	--	--	< 3.4 UJ			< 3.7 UJ			< 3.4 UJ			< 3.5 UJ			< 14,000 UJ			na		
Vinyl Chloride	--	--	< 0.7 U			< 0.7 U			< 0.7 U			< 0.7 U			< 2,800 U			na		
TPH (mg/kg)																				
Gasoline-Range Hydrocarbons	30/100	--	< 4.3 U			< 5.7 U			< 5.4 U			< 5.7 U			na			na		
Diesel-Range Hydrocarbons	2,000	--	340			680			730			1,000			1,500			**19,000**	9.5	
Motor Oil-Range Hydrocarbons	2,000	--	1,800			**3,800**	1.9		**3,700**	1.9		**4,600**	2.3		**4,200**	2.1		**47,000**	24	
Dioxins and Furans (ng/kg)																				
2,3,7,8-TCDD	--	--	na			na			na			na			< 0.905 U			1.47		
1,2,3,7,8-PeCDD	--	--	na			na			na			na			4.81			11.4		
1,2,3,4,7,8-HxCDD	--	--	na			na			na			na			6.5			15.1		
1,2,3,6,7,8-HxCDD	--	--	na			na			na			na			15			35.1		
1,2,3,7,8,9-HxCDD	--	--	na			na			na			na			12.1			31.8		
1,2,3,4,6,7,8-HpCDD	--	--	na			na			na			na			384			847		
OCDD	--	--	na			na			na			na			3,060			6,520 J		
2,3,7,8-TCDF	--	--	na			na			na			na			4.22			11.6		
1,2,3,7,8-PeCDF	--	--	na			na			na			na			2.06			6.07 J		
2,3,4,7,8-PeCDF	--	--	na			na			na			na			3.1			8.83		
1,2,3,4,7,8-HxCDF	--	--	na			na			na			na			5.07			12.2		
1,2,3,6,7,8-HxCDF	--	--	na			na			na			na			4.72			12.7		
1,2,3,7,8,9-HxCDF	--	--	na			na			na			na			1.25			3.42		
2,3,4,6,7,8-HxCDF	--	--	na			na			na			na			6.18			18		
1,2,3,4,6,7,8-HpCDF	--	--	na			na			na			na			86.5			236		
1,2,3,4,7,8,9-HpCDF	--	--	na			na			na			na			4.72			12.3		
OCDF	--	--	na			na			na			na			255			708		
Dioxin/Furan TEQ, nd SDL*0	25	--	na			na			na			na			17.1			**42.8 J**	1.7	
Dioxin/Furan TEQ, nd SDL*0.5	25	--	na			na			na			na			17.5			**42.8 J**	1.7	
Dioxin/Furan TEQ, nd SDL*1	25	--	na			na			na			na			18			**42.8 J**	1.7	
Total TCDD	--	--	na			na			na			na			13.2 J			35.6 J		
Total TCDF	--	--	na			na			na			na			66.1 J			235		
Total PeCDD	--	--	na			na			na			na			30.8			83.1		
Total PeCDF	--	--	na			na			na			na			78.3 J			233 J		
Total HxCDD	--	--	na			na			na			na			177			370		
Total HxCDF	--	--	na			na			na			na			124			285 J		
Total HpCDD	--	--	na			na			na			na			1,260			1,990		
Total HpCDF	--	--	na			na			na			na			241			662		
Grain size (%)																				
> 10 Phi Clay	--	--	2.8			0.8			1.0			1.8			4.6			8.7		
8-9 Phi Clay	--	--	2.2			0.6			0.7			1.5			1.3			2.7		
9-10 Phi Clay	--	--	1.2			0.8			0.7			1.4			0.4			0.7		
Very Fine Silt	--	--	2.6			0.6			0.6			2.0			1.5			4.1		
Fine Silt	--	--	3.0			1.0			1.0			2.4			2.7			9.1		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			NS-CB-423			NS-CB-547			NS-FD-001[b]			NS-MH-536			SD-CB-01			SD-SP-01		
Collection Date			4/16/2013			4/16/2013			4/16/2013			4/16/2013			3/26/2013			3/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Medium Silt	--	--	3.6			4.2			5.7			6.0			4.2			15.2		
Coarse Silt	--	--	4.3			4			2.6			3.2			2.4			8.4		
Total Fines	--	--	19.7			12			12.3			18.3			17.1			48.9		
Very Fine Sand	--	--	13.4			5.7			5.7			12.1			10.9			11.4		
Fine Sand	--	--	18.4			9.0			9.8			29.8			17.3			13.1		
Medium Sand	--	--	8.8			15			17.2			27.9			21.7			11.9		
Coarse Sand	--	--	17.1			27.1			26.3			9.4			17.1			7.9		
Very Coarse Sand	--	--	16.2			18.1			16.1			2.2			10.7			5.3		
Gravel	--	--	6.3			13.2			12.5			0.4			5.2			1.5		
Conventionals (%)																				
Total Organic Carbon	--	--	1.32			4.24			4.64			5.67			11			10.1		
Total Solids	--	--	76.54			70.15			68.33			68.01			50.82			45.42		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Metals (Total) (mg/kg)											
Antimony	--	--	< 0.3 U			< 0.3 U			< 0.2 U		
Arsenic	57	93	5.8			8.0			5.7		
Beryllium	--	--	0.2			< 0.3 U			0.2		
Cadmium	5.1	6.7	1.1			1.3			1.2		
Chromium	260	270	50.2			47.2			40.2		
Copper	390	390	278			81.5			65		
Lead	450	530	96.4			94.3			144		
Mercury	0.41	0.59	0.08			0.2			0.04		
Nickel	--	--	31.3			34.2			28.1		
Selenium	--	--	< 0.7 U			< 0.7 U			< 0.6 U		
Silver	6.1	6.1	< 0.3 U			0.3			< 0.2 U		
Thallium	--	--	< 0.3 U			< 0.3 U			< 0.2 U		
Zinc	410	960	**1,250**	3.0	1.3	**974**	2.4	1.0	**618**	1.5	
PAHs (µg/kg)											
1-Methylnaphthalene	--	--	92 J			140			38 J		
2-Chloronaphthalene	--	--	< 140 U			< 120 U			< 59 U		
2-Methylnaphthalene	670	1,400	200			250			41 J		
Acenaphthene	500	730	180			470			76		
Acenaphthylene	1,300	1,300	71 J			< 120 U			< 59 U		
Anthracene	960	4,400	320			600			310		
Benzo(a)anthracene	1,300	1,600	450			510			290		
Benzo(a)pyrene	1,600	3,000	350			320			240		
Benzo(g,h,i)perylene	670	720	460			430			200		
Chrysene	1,400	2,800	1,200			1,000			600		
Dibenz(a,h)anthracene	230	540	75			110			65		
Dibenzofuran	540	700	190			400			67		
Fluoranthene	1,700	2,500	**2,000**	1.2		**2,700**	1.6	1.1	1,200		
Fluorene	540	1,000	300			**700**	1.3		140		
Indeno(1,2,3-cd)pyrene	600	690	150			160			130		
Naphthalene	2,100	2,400	230			220			50 J		
Phenanthrene	1,500	5,400	**2,000**	1.3		**3,700**	2.5		900		
Pyrene	2,600	3,300	2,100			2,300			990		
Total Benzofluoranthenes	3,200	3,600	920			800			630		
Total HPAHs	12,000	17,000	7,700			8,300			4,300		
Total LPAHs	5,200	13,000	3,100 J			**5,700**	1.1		1,500 J		
Total PAHs	--	--	11,000 J			14,000			5,800 J		
cPAHs, nd RL*0	1,000	--	520			490			360		
cPAHs, nd RL*0.5	1,000	--	520			490			360		
cPAHs, nd RL*1	1,000	--	520			490			360		
Phthalates (µg/kg)											
bis(2-Ethylhexyl)phthalate	1,300	1,900	**54,000**	42	28	**67,000**	52	35	**2,300**	1.8	1.2
Butylbenzylphthalate	63	900	**1,800**	29	2.0	**12,000**	190	13	**97**	1.5	
Di-n-Butylphthalate	1,400	5,100	1,100			590			180		
Diethylphthalate	200	1,200	< 140 U			< 120 U			< 59 U		
Dimethylphthalate	71	160	**110**	1.5		40			**5,700**	80	36
Di-n-Octyl phthalate	6,200	--	460			580 J			< 59 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Phenols (µg/kg)											
2,4,5-Trichlorophenol	--	--	< 710 U			< 620 U			< 290 U		
2,4,6-Trichlorophenol	--	--	< 710 U			< 620 U			< 290 U		
2,4-Dichlorophenol	--	--	< 710 U			< 620 U			< 290 U		
2,4-Dimethylphenol	29	29	**< 180 U**			**< 150 U**			**< 73 U**		
2,4-Dinitrophenol	--	--	< 1,400 U			< 1,200 U			< 590 U		
2-Chlorophenol	--	--	< 140 U			< 120 U			< 59 U		
2-Methylphenol	63	63	< 35 U			< 31 U			< 15 U		
2-Nitrophenol	--	--	< 140 U			< 120 U			< 59 U		
4,6-Dinitro-2-Methylphenol	--	--	< 1,400 U			< 1,200 U			< 590 U		
4-Chloro-3-methylphenol	--	--	< 710 U			< 620 U			< 290 U		
4-Methylphenol	670	670	130 J			540			< 59 U		
4-Nitrophenol	--	--	< 710 U			< 620 U			< 290 U		
Pentachlorophenol	360	690	< 140 U			< 120 U			41 J		
Phenol	420	1,200	< 180 U			< 180 U			< 47 U		
Other SVOCs (µg/kg)											
1,2,4-Trichlorobenzene	31	51	< 4.1 UJ			< 4.5 UJ			10 J		
1,2-Dichlorobenzene	35	50	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
1,3-Dichlorobenzene	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
1,4-Dichlorobenzene	110	120	0.9 J			44			< 0.8 UJ		
2,4-Dinitrotoluene	--	--	< 710 U			< 620 U			< 290 U		
2,6-Dinitrotoluene	--	--	< 710 U			< 620 U			< 290 U		
2-Nitroaniline	--	--	< 710 U			< 620 U			< 290 U		
3,3'-Dichlorobenzidine	--	--	R			R			R		
3-Nitroaniline	--	--	< 710 U			R			< 290 U		
4-Bromophenyl-phenylether	--	--	< 140 U			< 120 U			< 59 U		
4-Chloroaniline	--	--	R			R			R		
4-Chlorophenyl-phenylether	--	--	< 140 U			< 120 U			< 59 U		
4-Nitroaniline	--	--	< 710 U			R			< 290 U		
Aniline	--	--	R			R			R		
Benzoic Acid	650	650	**< 1,400 U**			**840 J**	1.3	1.3	< 590 U		
Benzyl Alcohol	57	73	**260**	4.6	3.6	**< 120 U**			**< 59 U**		
2,2'-Oxybis(1-Chloropropane)	--	--	< 140 U			< 120 U			< 59 U		
bis(2-Chloroethoxy) Methane	--	--	< 140 U			< 120 U			< 59 U		
Bis-(2-Chloroethyl) Ether	--	--	< 140 U			< 120 U			< 59 U		
Carbazole	--	--	350 J			610 J			160 J		
Hexachlorobenzene	22	70	< 9.8 U			< 6.6 U			< 4.9 U		
Hexachlorobutadiene	11	120	< 4.1 UJ			< 4.5 UJ			< 3.8 UJ		
Hexachlorocyclopentadiene	--	--	< 710 U			R			< 290 U		
Hexachloroethane	--	--	< 140 U			< 120 U			< 59 U		
Isophorone	--	--	< 140 U			< 120 U			< 59 U		
Nitrobenzene	--	--	< 140 U			< 120 U			< 59 U		
N-Nitrosodimethylamine	--	--	< 180 U			< 150 U			< 73 U		
N-Nitroso-Di-N-Propylamine	--	--	< 140 U			< 120 U			< 59 U		
N-Nitrosodiphenylamine	28	40	**170**	6.1	4.3	**170**	6.1	4.3	**71**	2.5	1.8

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
PCB Aroclors (µg/kg)											
Aroclor 1016	--	--	< 39 U			< 19 U			< 19 U		
Aroclor 1221	--	--	< 39 U			< 19 U			< 19 U		
Aroclor 1232	--	--	< 39 U			< 19 U			< 19 U		
Aroclor 1242	--	--	530			< 19 U			< 19 U		
Aroclor 1248	--	--	< 39 U			270			30		
Aroclor 1254	--	--	120			180			32		
Aroclor 1260	--	--	80			79			28		
Aroclor 1262	--	--	< 39 U			< 19 U			< 19 U		
Aroclor 1268	--	--	< 39 U			< 19 U			< 19 U		
Total PCB Aroclors	130	1,000	**730**	5.6		**530**	4.1		90		
Pesticides (µg/kg)											
4,4'-DDD	--	--	< 4.9 U			< 22 U			< 4.9 U		
4,4'-DDE	--	--	< 4.9 U			< 11 U			< 4.9 U		
4,4'-DDT	--	--	< 4.9 UJ			< 10 U			< 4.9 U		
Total DDTs	--	--	< 4.9 U			< 22 U			< 4.9 U		
Aldrin	--	--	< 32 U			< 25 U			< 2.4 U		
alpha-BHC	--	--	< 2.5 U			< 2.4 U			< 2.4 U		
beta-BHC	--	--	< 17 U			< 13 U			< 2.4 U		
cis-Chlordane	--	--	< 2.5 UJ			< 23 UJ			< 2.4 UJ		
delta-BHC	--	--	< 8.4 U			< 7.4 U			< 120 U		
Dieldrin	--	--	< 28 UJ			< 210 UJ			< 4.9 UJ		
Endosulfan I	--	--	< 2.5 UJ			< 8.9 UJ			< 2.4 UJ		
Endosulfan II	--	--	< 9.2 U			< 4.8 U			< 4.9 U		
Endosulfan Sulfate	--	--	< 4.9 U			< 4.8 U			< 4.9 U		
Endrin	--	--	< 4.9 UJ			< 8.8 U			< 4.9 U		
Endrin Aldehyde	--	--	< 4.9 UJ			< 4.8 U			< 4.9 U		
Endrin Ketone	--	--	< 10 UJ			< 13 U			< 4.9 U		
Heptachlor	--	--	< 8.8 U			< 11 U			< 2.4 U		
Heptachlor Epoxide	--	--	< 12 U			< 64 U			< 4.9 U		
gamma-BHC (Lindane)	--	--	< 4.8 U			< 5.1 U			< 2.4 U		
Methoxychlor	--	--	< 25 UJ			< 24 U			< 24 U		
Toxaphene	--	--	< 490 U			< 480 U			< 490 U		
trans-Chlordane	--	--	< 12 U			< 28 U			< 2.4 U		
Total aldrin/dieldrin	--	--	< 32 U			< 210 U			< 4.9 U		
Total Chlordane	--	--	< 12 U			< 28 U			< 2.4 U		
VOCs (µg/kg)											
1,1,1,2-Tetrachloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,1,1-Trichloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,1,2,2-Tetrachloroethane	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	< 1.6 U			< 1.8 U			< 1.5 U		
1,1,2-Trichloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,1-Dichloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,1-Dichloroethene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,1-Dichloropropene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,2,3-Trichlorobenzene	--	--	< 4.1 UJ			< 4.5 UJ			< 3.8 UJ		
1,2,3-Trichloropropane	--	--	< 1.6 UJ			< 1.8 UJ			< 1.5 UJ		
1,2,4-Trimethylbenzene	--	--	23 J			15 J			6.1 J		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
1,2-Dibromo-3-chloropropane	--	--	< 4.1 UJ			< 4.5 UJ			< 3.8 UJ		
1,2-Dibromoethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,2-Dichloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,2-Dichloropropane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
1,3,5-Trimethylbenzene	--	--	11 J			6.3 J			2.2 J		
1,3-Dichloropropane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
2,2-Dichloropropane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
2-Chloroethylvinylether	--	--	R			R			R		
2-Chlorotoluene	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
2-Hexanone	--	--	< 4.1 U			< 4.5 U			< 3.8 U		
4-Chlorotoluene	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
Acetone	--	--	< 4.1 U			< 4.5 U			< 3.8 U		
Acrolein	--	--	< 41 U			< 45 U			< 38 U		
Acrylonitrile	--	--	< 4.1 U			< 4.5 U			< 3.8 U		
Benzene	--	--	3.8			2.8			1.1		
Bromobenzene	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
Bromochloromethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Bromoethane	--	--	< 1.6 U			< 1.8 U			< 1.5 U		
Bromoform	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
Bromomethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Carbon Disulfide	--	--	15			16			8.3		
Carbon Tetrachloride	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Chlorobenzene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Dibromochloromethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Chloroethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Chloroform	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Chloromethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
cis-1,2-Dichloroethene	--	--	< 0.8 U			0.5 J			< 0.8 U		
cis-1,3-Dichloropropene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Dibromomethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Bromodichloromethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Dichlorodifluoromethane	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Ethylbenzene	--	--	65			15			2.3		
Isopropylbenzene	--	--	33 J			2.2 J			1.0 J		
m,p-Xylene	--	--	24			21			3.4		
2-Butanone	--	--	37			46			23		
Iodomethane	--	--	0.7 J			< 0.9 U			< 0.8 U		
4-Methyl-2-Pentanone (MIBK)	--	--	< 4.1 U			30			23		
Methyl tert-Butyl Ether	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
Methylene Chloride	--	--	< 1.6 U			< 1.8 U			< 1.5 U		
n-Butylbenzene	--	--	5.4 J			< 0.9 UJ			1.8 J		
n-Propylbenzene	--	--	17 J			2.4 J			1.2 J		
o-Xylene	--	--	15			12			3.0		
4-Isopropyltoluene	--	--	5.2 J			8.7 J			2.0 J		
sec-Butylbenzene	--	--	7.8 J			2.9 J			1.2 J		
Styrene	--	--	11			3.4			0.4 J		
tert-Butylbenzene	--	--	< 0.8 UJ			< 0.9 UJ			< 0.8 UJ		
Tetrachloroethene	--	--	1.7			0.5 J			< 0.8 U		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Toluene	--	--	42			61			11		
Total Xylenes	--	--	39			33			6.4		
trans-1,2-Dichloroethene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
trans-1,3-Dichloropropene	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
trans-1,4-Dichloro-2-butene	--	--	< 4.1 UJ			< 4.5 UJ			< 3.8 UJ		
Trichloroethene	--	--	0.5 J			< 0.9 U			< 0.8 U		
Trichlorofluoromethane	--	--	3.3			5.6			< 0.8 U		
Vinyl Acetate	--	--	< 4.1 U			< 4.5 U			< 3.8 U		
Vinyl Chloride	--	--	< 0.8 U			< 0.9 U			< 0.8 U		
TPH (mg/kg)											
Gasoline-Range Hydrocarbons	30/100	--	< 9.0 U			< 5.9 U			< 7.4 U		
Diesel-Range Hydrocarbons	2,000	--	**3,600**	1.8		**3,100**	1.6		**1,500**		
Motor Oil-Range Hydrocarbons	2,000	--	**14,000**	7.0		**9,700**	4.9		**4,100**	2.1	
Dioxins and Furans (ng/kg)											
2,3,7,8-TCDD	--	--	na			0.877 J			na		
1,2,3,7,8-PeCDD	--	--	na			3.87			na		
1,2,3,4,7,8-HxCDD	--	--	na			5.6			na		
1,2,3,6,7,8-HxCDD	--	--	na			23			na		
1,2,3,7,8,9-HxCDD	--	--	na			11.9			na		
1,2,3,4,6,7,8-HpCDD	--	--	na			617			na		
OCDD	--	--	na			6,500 J			na		
2,3,7,8-TCDF	--	--	na			2.85			na		
1,2,3,7,8-PeCDF	--	--	na			2.26 J			na		
2,3,4,7,8-PeCDF	--	--	na			3.71			na		
1,2,3,4,7,8-HxCDF	--	--	na			9.1			na		
1,2,3,6,7,8-HxCDF	--	--	na			4.87			na		
1,2,3,7,8,9-HxCDF	--	--	na			2.88			na		
2,3,4,6,7,8-HxCDF	--	--	na			7.18			na		
1,2,3,4,6,7,8-HpCDF	--	--	na			111			na		
1,2,3,4,7,8,9-HpCDF	--	--	na			8.48			na		
OCDF	--	--	na			420			na		
Dioxin/Furan TEQ, nd SDL*0	25	--	na			22.1 J			na		
Dioxin/Furan TEQ, nd SDL*0.5	25	--	na			22.1 J			na		
Dioxin/Furan TEQ, nd SDL*1	25	--	na			22.1 J			na		
Total TCDD	--	--	na			14.1 J			na		
Total TCDF	--	--	na			59.9 J			na		
Total PeCDD	--	--	na			28.8			na		
Total PeCDF	--	--	na			81.5 J			na		
Total HxCDD	--	--	na			180			na		
Total HxCDF	--	--	na			177 J			na		
Total HpCDD	--	--	na			1,550			na		
Total HpCDF	--	--	na			409 J			na		
Grain size (%)											
> 10 Phi Clay	--	--	2.8			1.4			1.3		
8-9 Phi Clay	--	--	2.7			2.5			0.6		
9-10 Phi Clay	--	--	0.3			0.8			< 0.1 U		
Very Fine Silt	--	--	4.1			2.2			2.1		
Fine Silt	--	--	4.4			3.7			2.1		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

Location ID			UP-CB-A6			UP-CB-B8			UP-MHF-165		
Collection Date			6/26/2013			6/26/2013			6/26/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF	
	SQS/ LAET/RAL[a]	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET		SQS/ LAET/RAL	CSL/ 2LAET
Medium Silt	--	--	12			16.1			5.7		
Coarse Silt	--	--	8.1			14.3			3.5		
Total Fines	--	--	34.4			41			15.2		
Very Fine Sand	--	--	9.4			9.5			2.3		
Fine Sand	--	--	14.2			12.9			3.5		
Medium Sand	--	--	15.3			13.4			12.3		
Coarse Sand	--	--	11.4			10.5			24.2		
Very Coarse Sand	--	--	10			8.4			25.9		
Gravel	--	--	5.3			4.3			16.5		
Conventionals (%)											
Total Organic Carbon	--	--	11.3			9.47			10		
Total Solids	--	--	70.48			67.64			79.36		

Table 10. Solids Sample Results Compared to Dry Weight SMS/AET Criteria or LDW RALs
NPDES Inspection Sampling Support

a - LDW RALs are presented for cPAHs and Dioxin/Furan TEQs. MTCA Method A cleanup levels for soil are presented for TPH.
b - This is a field duplicate of the sample directly preceding it.
Results in **bold** exceed the SQS/LAET/RAL.
Results in **bold and shaded gray** exceed the CSL/2LAET.
EFs are presented for detected concentrations that exceed the SMS/AET criteria, LDW RALs, or MTCA Method A cleanup levels for soil only.
The EFs are calculated (result/criterion) and have no regulatory relevance. They provide an indication of the general magnitude of the concentration relative to the SMS crit

% - percent
< - not detected
2LAET - Second Lowest Apparent Effects Threshold
AET - Apparent Effects Threshold
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
CSL - Cleanup Screening Level
EF - exceedance factor (sample result/criteria value)
HPAHs - high molecular weight polycyclic aromatic hydrocarbons
J - estimated concentration
LAET - Lowest Apparent Effects Threshold
LDW - Lower Duwamish Waterway
LPAHs - low molecular weight polycyclic aromatic hydrocarbons
mg/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
MTCA - Model Toxics Control Act
na - not analyzed
nc - not calculated
nd - non-detect
ng/kg - nanograms per kilogram
NPDES - National Pollutant Discharge Elimination System
OC - organic carbon
PCBs - polychlorinated biphenyls
R - Rejected completely during data validation review
RAL - Remedial Action Levels
RL - reporting limit
SDL - sample detection limit
SMS - Washington State Sediment Management Standards
SQS - Sediment Quality Standard
SVOCs - semivolatile organic compounds
TEQ - toxic equivalency
TPH - total petroleum hydrocarbons
U - not detected
VOCs - volatile organic compounds

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

Location ID			CL-MH-SPS			IM-CB-02			KC-CB-01			KC-VT-1593			LF-LS-004			LF-TP-001			NS-CB-421			NS-CB-423		
Collection Date			6/5/2013			4/10/2013			5/30/2013			5/30/2013			6/19/2013			6/19/2013			4/16/2013			4/16/2013		
Analyte	SMS Criteria		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF		Result	EF	
	SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL		SQS	CSL
PAHs (mg/kg OC)																										
2-Methylnaphthalene	38	64	3.7			< 1.7 U			1.0			0.68 J			15			18			< 2.5 U			< 4.4 U		
Acenaphthene	16	57	< 1.4 U			< 1.7 U			0.35 J			0.96 J			0.98			2.1			< 2.5 U			< 4.4 U		
Acenaphthylene	66	66	< 1.4 U			< 1.7 U			0.88			< 1.2 U			< 0.98 U			< 1.6 U			< 2.5 U			< 4.4 U		
Anthracene	220	1,200	< 1.4 U			1.7 J			0.63			4.3			2.9			6.2			< 2.5 U			< 4.4 U		
Benzo(a)anthracene	110	270	2.0			4.3			3.2			31 J			6.4			16			3.2			3.3 J		
Benzo(a)pyrene	99	210	1.4			4.2			7.3			40 J			7.8			15			4.5			3.8 J		
Benzo(g,h,i)perylene	31	78	2.4			3.6			7.6			31 J			6.9			7.5			< 2.5 U			3.8 J		
Chrysene	110	460	7.3 J			7.6			6			46 J			8.3			21			9.0			9.8		
Dibenz(a,h)anthracene	12	33	0.38			1.5 J			2.9			11			3.8			2.5			0.81			1.1 J		
Dibenzofuran	15	58	2.8			< 1.7 U			0.41 J			1.6			2.7			2			< 2.5 U			< 4.4 U		
Fluoranthene	160	1,200	16 J			12			7.6			80			6.9			28			8.1			13		
Fluorene	23	79	3.3 J			< 1.7 U			< 0.63 U			1.9			2.2			3.9			< 2.5 U			< 4.4 U		
Indeno(1,2,3-cd)pyrene	34	88	1.1 J			2.2			7.9			30 J			2.7			5.3			< 2.5 U			< 4.4 U		
Naphthalene	99	170	1.8			1.5 J			0.76			0.68 J			8.3			8.2			2.5			< 0.14 UJ		
Phenanthrene	100	480	26 J			8.7			4.1			43 J			11			18			4.0			6.2		
Pyrene	1,000	1,400	12 J			12			7.3			71			8.8			47			9.9			14		
Total Benzofluoranthenes	230	450	5.7			8.7			16			80 J			5.9			22			9.0			9.1		
Total HPAHs	960	5,300	48 J			56 J			66			420 J			58			160			45			58 J		
Total LPAHs	370	780	31 J			12 J			6.7 J			51 J			25			38			6.5			6.2		
Phthalates (mg/kg OC)																										
bis(2-Ethylhexyl)phthalate	47	78	**80**	1.7	1.0	31			**57**	1.2		2.5			25			**70**	1.5		**77**	1.6		**140**	3.0	1.8
Butylbenzylphthalate	4.9	64	1.3 J			**6.9 J**	1.4		0.88 J			0.23 J			1.9			4.1			**15 J**	3.1		**37 J**	7.6	
Di-n-Butylphthalate	220	1,700	< 1.4 U			1.6 J			4.4			< 1.2 U			0.64 J			< 1.6 U			2.0 J			2.7 J		
Diethylphthalate	61	110	< 0.53 U			< 0.43 U			< 0.88 U			< 0.19 U			< 0.24 UJ			< 0.41 UJ			< 0.63 U			1.2		
Dimethylphthalate	53	53	0.5			0.5			0.14 J			< 0.15 U			0.27			< 0.41 U			< 0.63 U			< 1.1 U		
Di-n-Octyl phthalate	58	4,500	3.8			< 1.7 U			0.73			< 1.2 U			< 0.98 U			< 1.6 U			< 2.5 U			< 4.4 U		
Other SVOCs (mg/kg OC)																										
1,2,4-Trichlorobenzene	0.81	1.8	< 0.35 U			< 0.43 U			< 0.15 U			< 0.12 U			< 0.24 U			< 0.41 U			< 0.12 U			< 0.26 UJ		
1,2-Dichlorobenzene	2.3	2.3	< 0.08 U			< 0.43 U			< 0.15 U			< 0.025 U			< 0.24 U			< 0.12 U			< 0.027 U			< 0.053 UJ		
1,4-Dichlorobenzene	3.1	9	< 0.08 U			< 0.43 U			< 0.15 U			< 0.025 U			0.19 J			< 0.12 U			< 0.027 U			< 0.053 UJ		
Hexachlorobenzene	0.38	2.3	< 0.19 U			**< 0.43 U**			< 0.15 U			< 0.15 U			< 0.24 U			**< 0.4 U**			**< 0.42 U**			**< 0.74 U**		
Hexachlorobutadiene	3.9	6.2	< 0.19 U			< 0.43 U			< 0.15 U			< 0.12 U			< 0.24 U			< 0.4 U			< 0.12 U			< 0.26 UJ		
N-Nitrosodiphenylamine	11	11	3.5			0.53 J			0.11 J			< 0.62 U			< 0.98 U			< 1.6 U			0.5 J			0.91 J		
PCB Aroclors (mg/kg OC)																										
Total PCB Aroclors	12	65	2.4			5.0			**200**	17	3.1	0.49			2.6			1.9			6.3			7.6		

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

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/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** exceed the SQS.
Results in **bold and shaded gray** exceed the CSL.

< - not detected
CSL - Cleanup Screening Level
EF - exceedance factor (sample result/criteria value)
J - estimated concentration
mg/kg - milligrams per kilogram
NPDES - National Pollutant Discharge Elimination System
OC - organic carbon
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SMS - Washington State Sediment Management Standards
SQS - Sediment Quality Standard
SVOCs - semivolatile organic compounds
TOC - total organic carbon
U - not detected

Table 12. Equipment Blank Sample Results
NPDES Inspection Sampling Support

Location ID / Collection Date	QC-EB-01	QC-EB-02	QC-EB-03
Analyte	**4/4/13**	**6/5/13**	**6/5/13**
Metals-Total (µg/L)			
Antimony	< 0.2 U	< 0.2 UJ	< 0.2 UJ
Arsenic	< 0.2 U	< 0.2 U	< 0.2 U
Beryllium	< 0.2 U	< 0.2 U	< 0.2 U
Cadmium	< 0.1 U	< 0.1 U	< 0.1 U
Chromium	< 0.5 U	< 0.5 U	< 0.5 U
Copper	< 0.5 U	< 0.5 U	< 0.5 U
Lead	< 0.1 U	< 0.1 U	< 0.1 U
Mercury	< 0.02 U	< 0.02 U	< 0.02 U
Nickel	< 0.5 U	< 0.5 U	< 0.5 U
Selenium	< 0.5 U	< 0.5 U	< 0.5 U
Silver	< 0.2 U	< 0.2 U	< 0.2 U
Thallium	< 0.2 U	< 0.2 U	< 0.2 U
Zinc	< 4 U	< 4 U	< 4 U
Metals-Dissolved (µg/L)			
Antimony	< 0.2 U	< 0.2 U	< 0.2 U
Arsenic	< 0.2 U	< 0.2 U	< 0.2 U
Beryllium	< 0.2 U	< 0.2 U	< 0.2 U
Cadmium	< 0.1 U	< 0.1 U	< 0.1 U
Chromium	< 0.5 U	< 0.5 U	< 0.5 U
Copper	< 0.5 U	< 0.5 U	< 0.5 U
Lead	< 0.1 U	< 0.1 U	< 0.1 U
Mercury	< 0.02 U	< 0.02 U	< 0.02 U
Nickel	< 0.5 U	< 0.5 U	< 0.5 U
Selenium	< 0.5 U	< 0.5 U	< 0.5 U
Silver	< 0.2 U	< 0.2 U	< 0.2 U
Thallium	< 0.2 U	< 0.2 U	< 0.2 U
Zinc	< 4 U	< 4 U	< 4 U
PAHs (µg/L)			
1-Methylnaphthalene	na	0.022	0.022
2-Chloronaphthalene	na	< 1 U	< 1 U
2-Methylnaphthalene	na	0.04	0.039
Acenaphthene	na	< 0.01 U	< 0.01 U
Acenaphthylene	na	< 0.01 U	< 0.01 U
Anthracene	na	< 0.01 U	< 0.01 U
Benzo(a)anthracene	na	< 0.01 U	< 0.01 U
Benzo(a)pyrene	na	< 0.01 U	< 0.01 U
Benzo(b)fluoranthene	na	< 0.01 U	< 0.01 U
Benzo(g,h,i)perylene	na	< 0.01 U	< 0.01 U
Benzo(k)fluoranthene	na	< 0.01 U	< 0.01 U
Chrysene	na	< 0.01 U	< 0.01 U
Dibenz(a,h)anthracene	na	< 0.01 U	< 0.01 U
Dibenzofuran	na	< 0.01 U	< 0.01 U
Fluoranthene	na	< 0.01 U	< 0.01 U
Fluorene	na	< 0.01 U	< 0.01 U
Indeno(1,2,3-cd)pyrene	na	< 0.01 U	< 0.01 U

Table 12. Equipment Blank Sample Results
NPDES Inspection Sampling Support

Location ID / Collection Date	QC-EB-01	QC-EB-02	QC-EB-03
Analyte	**4/4/13**	**6/5/13**	**6/5/13**
Naphthalene	na	0.11	0.11
Phenanthrene	na	< 0.01 U	< 0.01 U
Pyrene	na	< 0.01 U	< 0.01 U
Total Benzofluoranthenes	na	< 0.02 U	< 0.02 U
Total HPAHs	na	< 0.02 U	< 0.02 U
Total LPAHs	na	0.11	0.11
Total PAHs	na	0.11	0.11
cPAHs, nd RL*0	na	< 0 U	< 0 U
cPAHs, nd RL*0.5	na	< 0.0076 U	< 0.0076 U
cPAHs, nd RL*1	na	< 0.015 U	< 0.015 U
Phthalates (µg/L)			
bis(2-Ethylhexyl)phthalate	na	< 3 U	< 3 U
Butylbenzylphthalate	na	< 1 U	< 1 U
Di-n-Butylphthalate	na	< 1 U	< 1 U
Diethylphthalate	na	3	2.4
Dimethylphthalate	na	< 1 U	< 1 U
Di-n-Octyl phthalate	na	< 1 U	< 1 U
Phenols (µg/L)			
2,3,4,6-Tetrachlorophenol	na	< 1 U	< 1 U
2,4,5-Trichlorophenol	na	< 5 U	< 5 U
2,4,6-Trichlorophenol	na	< 3 U	< 3 U
2,4-Dichlorophenol	na	< 3 U	< 3 U
2,4-Dimethylphenol	na	< 3 U	< 3 U
2,4-Dinitrophenol	na	< 20 U	< 20 U
2-Chlorophenol	na	< 1 U	< 1 U
2-Methylphenol	na	< 1 U	< 1 U
2-Nitrophenol	na	< 3 U	< 3 U
4,6-Dinitro-2-Methylphenol	na	< 10 U	< 10 U
4-Chloro-3-methylphenol	na	< 3 U	< 3 U
4-Methylphenol	na	< 2 U	< 2 U
4-Nitrophenol	na	< 10 U	< 10 U
Pentachlorophenol	na	< 10 U	< 10 U
Phenol	na	< 1 U	< 1 U
Other SVOCs (µg/L)			
1,2,4-Trichlorobenzene	na	< 1 U	< 1 U
1,2-Dichlorobenzene	na	< 1 U	< 1 U
1,2-Diphenylhydrazine	na	< 1 U	< 1 U
1,3-Dichlorobenzene	na	< 1 U	< 1 U
1,4-Dichlorobenzene	na	< 1 U	< 1 U
2,4-Dinitrotoluene	na	< 3 U	< 3 U
2,6-Dinitrotoluene	na	< 3 U	< 3 U
2-Nitroaniline	na	< 3 U	< 3 U
3,3'-Dichlorobenzidine	na	< 5 U	< 5 U
3-Nitroaniline	na	< 3 U	< 3 U
4-Bromophenyl-phenylether	na	< 1 U	< 1 U
4-Chloroaniline	na	< 5 U	< 5 U

Table 12. Equipment Blank Sample Results
NPDES Inspection Sampling Support

Location ID / Collection Date	QC-EB-01	QC-EB-02	QC-EB-03
Analyte	**4/4/13**	**6/5/13**	**6/5/13**
4-Chlorophenyl-phenylether	na	< 1 U	< 1 U
4-Nitroaniline	na	< 3 U	< 3 U
Aniline	na	< 1 U	< 1 U
Azobenzene	na	< 1 U	< 1 U
Benzoic Acid	na	< 20 U	< 20 U
Benzyl Alcohol	na	< 2 U	< 2 U
2,2'-Oxybis(1-Chloropropane)	na	< 1 U	< 1 U
bis(2-Chloroethoxy) Methane	na	< 1 U	< 1 U
Bis-(2-Chloroethyl) Ether	na	< 1 U	< 1 U
Carbazole	na	< 1 U	< 1 U
Hexachlorobenzene	na	< 1 U	< 1 U
Hexachlorobutadiene	na	< 3 U	< 3 U
Hexachlorocyclopentadiene	na	< 5 U	< 5 U
Hexachloroethane	na	< 2 U	< 2 U
Isophorone	na	< 1 U	< 1 U
Nitrobenzene	na	< 1 U	< 1 U
N-Nitrosodimethylamine	na	< 3 U	< 3 U
N-Nitroso-Di-N-Propylamine	na	< 1 U	< 1 U
N-Nitrosodiphenylamine	na	< 1 U	< 1 U
PCB Aroclors (µg/L)			
Aroclor 1016	< 0.01 U	na	< 0.01 U
Aroclor 1221	< 0.01 U	na	< 0.01 U
Aroclor 1232	< 0.01 U	na	< 0.01 U
Aroclor 1242	< 0.01 U	na	< 0.01 U
Aroclor 1248	< 0.01 U	na	< 0.01 U
Aroclor 1254	< 0.01 U	na	< 0.01 U
Aroclor 1260	< 0.01 U	na	< 0.01 U
Aroclor 1262	< 0.01 U	na	< 0.01 U
Aroclor 1268	< 0.01 U	na	< 0.01 U
Total PCB Aroclors	< 0.01 U	na	< 0.01 U

< - not detected
µg/L - micrograms per liter
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
HPAHs - high molecular weight polycyclic aromatic hydrocarbons
J - estimated concentration
LPAHs - low molecular weight polycyclic aromatic hydrocarbons
na - not analyzed
nd - non-detect
NPDES - National Pollutant Discharge Elimination System
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
RL - reporting limit
SVOCs - semivolatile organic compounds
U - not detected

Table 13. Equipment Blank Sampling Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID	QC-EB-01		
Collection Date	**4/19/2013**		
Total PCB Congeners (µg/L)		0.0000428	CJ
Total PCB Congeners (pg/L)		42.8	CJ
Estimated Total PCB Congeners (pg/L)		45.7	
Total Monochlorobiphenyl (pg/L)	<	3.19	U
PCB-1	<	2.87	U
PCB-2	<	3.37	U
PCB-3	<	3.51	U
Total Dichlorobiphenyl (pg/L)		18	
PCB-4	<	8	U
PCB-5	<	6.14	U
PCB-6	<	6.11	U
PCB-7	<	5.71	U
PCB-8	<	5.85	U
PCB-9	<	6.49	U
PCB-10	<	5.06	U
PCB-11	<	18	U
PCB-12/13	<	5.86	CU
PCB-14	<	5.06	U
PCB-15	<	5.63	U
Total Trichlorobiphenyl (pg/L)	<	7.73	U
PCB-16	<	9.59	U
PCB-17	<	7.5	U
PCB-18/30	<	6.46	CU
PCB-19	<	8.56	U
PCB-20/28	<	6.55	CU
PCB-21/33	<	6.32	CU
PCB-22	<	6.88	U
PCB-23	<	6.55	U
PCB-24	<	5.88	U
PCB-25	<	6.35	U
PCB-26/29	<	6.43	CU
PCB-27	<	5.56	U
PCB-31	<	6.13	U
PCB-32	<	5.14	U
PCB-34	<	6.66	U
PCB-35	<	7.02	U
PCB-36	<	6.39	U
PCB-37	<	6.89	U
PCB-38	<	6.78	U
PCB-39	<	6.04	U
Total Tetrachlorobiphenyl (pg/L)		6.61	
PCB-40/71	<	5.34	CU
PCB-41	<	7.24	U
PCB-42	<	6.19	U
PCB-43	<	6.82	U
PCB-44/47/65	<	5.29	CU

Table 13. Equipment Blank Sampling Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID	QC-EB-01		
Collection Date	4/19/2013		
PCB-45	<	6.29	U
PCB-46	<	6.83	U
PCB-48	<	5.64	U
PCB-49/69	<	4.63	CU
PCB-50/53	<	5.5	CU
PCB-51	<	5.46	U
PCB-52		6.61	J
PCB-54	<	4.11	U
PCB-55	<	4.54	U
PCB-56	<	4.74	U
PCB-57	<	4.47	U
PCB-58	<	4.34	U
PCB-59/62/75	<	4.1	CU
PCB-60	<	4.55	U
PCB-61/70/74/76	<	4.36	CU
PCB-63	<	3.95	U
PCB-64	<	3.86	U
PCB-66	<	4.58	U
PCB-67	<	4.16	U
PCB-68	<	3.91	U
PCB-72	<	4.34	U
PCB-73	<	4.19	U
PCB-77	<	5.03	U
PCB-78	<	4.84	U
PCB-79	<	3.93	U
PCB-80	<	3.96	U
PCB-81	<	4.62	U
Total Pentachlorobiphenyl (pg/L)		12.8	J
PCB-82	<	4.1	U
PCB-83	<	4.08	U
PCB-84	<	3.96	U
PCB-85/116	<	3	CU
PCB-86/87/97/109/119/125	<	2.91	CU
PCB-88	<	3.71	U
PCB-89	<	3.74	U
PCB-90/101/113		4.54	CJ
PCB-91	<	3.01	U
PCB-92	<	3.5	U
PCB-93/100	<	3.24	CU
PCB-94	<	3.6	U
PCB-95	<	3.33	U
PCB-96	<	2.56	U
PCB-98	<	3.47	U
PCB-99	<	3.28	U
PCB-102	<	3.21	U
PCB-103	<	3.08	U

Table 13. Equipment Blank Sampling Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID	QC-EB-01		
Collection Date	4/19/2013		
PCB-104	<	2.2	U
PCB-105	<	2.73	U
PCB-106	<	2.6	U
PCB-107	<	2.45	U
PCB-108/124	<	2.62	CU
PCB-110		5.39	J
PCB-111	<	2.42	U
PCB-112	<	2.43	U
PCB-114	<	2.67	U
PCB-115	<	2.57	U
PCB-117	<	2.61	U
PCB-118	<	2.9	U
PCB-120	<	2.41	U
PCB-121	<	2.43	U
PCB-122	<	3.24	U
PCB-123	<	2.31	U
PCB-126	<	4.16	U
PCB-127	<	2.9	U
Total Hexachlorobiphenyl (pg/L)		8.19	
PCB-128/166	<	2.42	CU
PCB-129/138/163		4.81	CJ
PCB-130	<	3.01	U
PCB-131	<	2.95	U
PCB-132	<	2.81	U
PCB-133	<	2.71	U
PCB-134	<	3.2	U
PCB-135/151	<	2.64	CU
PCB-136	<	1.89	U
PCB-137	<	2.36	U
PCB-139/140	<	2.48	CU
PCB-141	<	2.73	U
PCB-142	<	2.91	U
PCB-143	<	2.64	U
PCB-144	<	2.54	U
PCB-145	<	1.86	U
PCB-146	<	2.48	U
PCB-147/149	<	2.54	CU
PCB-148	<	2.54	U
PCB-150	<	1.74	U
PCB-152	<	1.78	U
PCB-153/168		3.38	CJ
PCB-154	<	2.27	U
PCB-155	<	1.62	U
PCB-156/157	<	2.79	CU
PCB-158	<	1.88	U
PCB-159	<	2.02	U

Table 13. Equipment Blank Sampling Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID	QC-EB-01		
Collection Date	4/19/2013		
PCB-160	<	2.09	U
PCB-161	<	1.95	U
PCB-162	<	2.02	U
PCB-164	<	2.1	U
PCB-165	<	2.11	U
PCB-167	<	1.89	U
PCB-169	<	2.34	U
Total Heptachlorobiphenyl (pg/L)	<	3.4	U
PCB-170	<	4.41	U
PCB-171/173	<	4.27	CU
PCB-172	<	4.15	U
PCB-174	<	4.09	U
PCB-175	<	3.8	U
PCB-176	<	2.61	U
PCB-177	<	4.3	U
PCB-178	<	3.84	U
PCB-179	<	2.83	U
PCB-180/193	<	3.35	CU
PCB-181	<	3.73	U
PCB-182	<	3.47	U
PCB-183	<	3.45	U
PCB-184	<	2.87	U
PCB-185	<	3.77	U
PCB-186	<	2.77	U
PCB-187	<	3.58	U
PCB-188	<	2.57	U
PCB-189	<	3.08	U
PCB-190	<	3.19	U
PCB-191	<	3.05	U
PCB-192	<	3.18	U
Total Octachlorobiphenyl (pg/L)	<	3.27	U
PCB-194	<	4.21	U
PCB-195	<	4.56	U
PCB-196	<	4.1	U
PCB-197	<	2.77	U
PCB-198/199	<	4.24	CU
PCB-200	<	3.07	U
PCB-201	<	2.9	U
PCB-202	<	3.22	U
PCB-203	<	3.88	U
PCB-204	<	3.03	U
PCB-205	<	3.32	U
Total Nonachlorobiphenyl (pg/L)	<	6.18	U
PCB-206	<	7.19	U
PCB-207	<	5.08	U
PCB-208	<	5.18	U

Table 13. Equipment Blank Sampling Results – PCB Congeners
NPDES Inspection Sampling Support

Location ID	QC-EB-01		
Collection Date	**4/19/2013**		
Decachlorobiphenyl (pg/L)	<	2.83	U
PCB-209	<	2.83	U
PCB TEQ, nd SDL*0	<	0	U
PCB TEQ, nd SDL*0.5	<	0.244	U
PCB TEQ, nd SDL*1	<	0.489	U

< - not detected
µg/L - micrograms per liter
C - coelution
J - estimated concentration
nd - non-detect
NPDES - National Pollutant Discharge Elimination System
PCBs - polychlorinated biphenyls
pg/L - picograms per liter
SDL - sample detection limit
TEQ - toxic equivalency
U - not detected

Attachment 2
Data Validation Report

EcoChem, INC.
Environmental Data Quality

DATA VALIDATION REPORT

LOWER DUWAMISH WATERWAY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM INVESTIGATION

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: C4153-1

October 10, 2013

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 stormwater samples, filter bag sediment samples, and quality control (QC) sample data for the Lower Duwamish Waterway National Pollutant Discharge Elimination System Investigation. Dioxin data received a full (EPA Stage 4) validation. All fractions received a summary (EPA Stage 2B) level validation; with equipment rinsates receiving a compliance level review (EPA Stage 2A). A complete list of samples is provided in the **Sample Index**.

All analyses were performed by Analytical Resources, Inc., Tukwila, Washington. The analytical methods and EcoChem project chemists are listed below.

Analysis	Method of Analysis	Primary Review	Secondary Review
Dioxin/Furans	EPA 1613B	M. Brindle	E. Strout/C. Ransom
PCB Congeners	1668C	M. Swanson	E. Strout
Volatile Organic Compounds (VOC)	SW8260C	M. Failor	M. Swanson
Semivolatile Organic Compounds (SVOC)	SW8270D, SW8270D-SIM	J. Holder	
Polycyclic Aromatic Hydrocarbons (PAH)	SW8270D-SIM		
PCB Aroclors	SW8082A	D. Kerlin/ M. Brindle/C. Ransom	C. Mott-Frans/ C. Ransom/E. Strout
Pesticides	SW8081B	M. Sam	M. Swanson
Total Petroleum Hydrocarbons – Diesel Range	NWTPH-Dx	M. Failor	M. Swanson/C. Ransom
Total Petroleum Hydrocarbons – Gasoline Range	NWTPH-Gx		
Metals and Mercury	SW6010B, 200.8, 7470A, 7471A	Y. Hida	D. Kerlin/C. Ransom
Conventionals	SM2320, 2540B, 2540D, 2540G, 5310B EPA 120.1, 150.1, 300.0, 353.2 SW9060, PSEP-PS, Plumb81TC		

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 (*SAIC, March 2013*); USEPA National Functional Guidelines for Organic Data Review* (EPA, 2008); *USEPA National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (EPA, 2002, 2005); and *USEPA National Functional Guidelines for Inorganic Data Review* (EPA, 1994, 2004).

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) 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
LDW NPDES Investigation
Analytical Resources, Inc.

SDG	Sample ID	Lab ID	Dioxins	VOC	SVOC	SVOC SIM	PAH SIM	PCB	Pest	TPH-Dx	TPH-Gx	Total Metals	Diss Metals	Tot Hg	Diss Hg	Grain Size	TOC	Conv*
WJ10	SD-SP-01-20130326-W	WJ10A			✓		✓		✓			✓					✓	✓
	SD-SP-01-20130326-TB	WJ10B		✓														
	SD-SP-01-20130326-S	WJ10C	✓		✓	✓		✓	✓	✓		✓		✓		✓	✓	
	SD-CB-01-20130326-S	WJ10D	✓	✓	✓	✓		✓	✓	✓		✓		✓		✓	✓	
	SD-SP-01-20130326-W	WJ10E											✓					
WJ32	SD-SP-01-20130326-W	WJ32A												✓				
	SD-SP-01-20130326-W	WJ32B													✓			
WK49	GR-MH-01-20130404-W	WK49A			✓		✓		✓			✓						✓
	QC-EB-01-20130404-W	WK49B		✓				✓				✓						
	GR-MH-01-20130404-W	WK49C											✓					
	QC-EB-01-20130404-W	WK49D											✓					
	GR-MH-03-20130404-S	WK49E	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	
	IM-CB-01-20130410-S	WL49F	✓			✓				✓		✓				✓	✓	
	IM-CB-02-20130410-S	WL49G				✓						✓				✓	✓	
WK51	GR-MH-01-20130404-W	WK51A												✓				
	QC-EB-01-20130404-W	WK51B												✓				
	GR-MH-01-20130404-W	WK51C													✓			
	QC-EB-01-20130404-W	WK51D													✓			
WL49	IM-MH-01-20130410-W	WL49A			✓		✓	✓	✓								✓	✓
	IM-SW-01-20130410-W	WL49B			✓		✓	✓	✓			✓					✓	✓
	IM-MH-01-20130410-W	WL49C											✓					
	IM-SW-01-20130410-W	WL49D											✓					
	IM-TB-01-20130410-W	WL49E									✓							
	IM-CB-01-20130410-S	WL49F			✓			✓	✓		✓			✓			✓	
	IM-CB-02-20130410-S	WL49G			✓			✓	✓					✓		✓	✓	
WL65	IM-MH-01-20130410-W	WL65A												✓				
	IM-SW-01-20130410-W	WL65B												✓				
	IM-MH-01-20130410-W	WL65C													✓			
	IM-SW-01-20130410-W	WL65D													✓			

Sample Index
LDW NPDES Investigation
Analytical Resources, Inc.

SDG	Sample ID	Lab ID	Dioxins	VOC	SVOC	SVOC SIM	PAH SIM	PCB	Pest	TPH-Dx	TPH-Gx	Total Metals	Diss Metals	Tot Hg	Diss Hg	Grain Size	TOC	Conv*
WL67	GR-CB-07-20130411-S	WL67A		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	GR-WS-05-20130411-S	WL67B		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
WM28	NS-CB-547-20130416-S	WM28A		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	NS-MH-536-20130416-S	WM28B		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	NS-CB-423-20130416-S	WM28C		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	NS-CB-421-20130416-S	WM28D	✓	✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	NS-FD-01-20130416-S	WM28E		✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	NS-TB-01-20130416-W	WM28F		✓														
WM84	NS-OF-006-20130419-W	WM84A			✓				✓			✓						
	NS-OF-002-20130419-W	WM84B			✓				✓			✓						
	NS-MH-682-20130419-W	WM84C			✓				✓			✓						
	NS-WS-316-20130419-W	WM84D			✓				✓			✓						
	NS-OF-006-20130419-W	WM84E											✓					
	NS-OF-002-20130419-W	WM84F											✓					
	NS-MH-682-20130419-W	WM84G											✓					
	NS-WS-316-20130419-W	WM84H											✓					
WM85	NS-OF-006-20130419-W	WM85A												✓				
	NS-OF-002-20130419-W	WM85B												✓				
	NS-MH-682-20130419-W	WM85C												✓				
	NS-WS-316-20130419-W	WM85D												✓				
	NS-OF-006-20130419-W	WM85E													✓			
	NS-OF-002-20130419-W	WM85F													✓			
	NS-MH-682-20130419-W	WM85G													✓			
	NS-WS-316-20130419-W	WM85H													✓			
WN27	CG-MH-010-20130423-S	WN27A	✓		✓			✓	✓	✓	✓	✓		✓		✓	✓	
WN31	ES-TS-INF-20130424-S	WN31A	✓	✓	✓			✓	✓	✓		✓		✓		✓	✓	
	ES-MH-001-20130424-W	WN31B			✓				✓			✓						
	ES-MH-001-20130424-W	WN31C											✓					
	ES-TB-001-20130424-W	WN31D		✓							✓							
WN35	ES-MH-001-20130424-W	WN35A												✓				
	ES-MH-001-20130424-W	WN35B													✓			

Sample Index
LDW NPDES Investigation
Analytical Resources, Inc.

SDG	Sample ID	Lab ID	Dioxins	VOC	SVOC	SVOC SIM	PAH SIM	PCB	Pest	TPH-Dx	TPH-Gx	Total Metals	Diss Metals	Tot Hg	Diss Hg	Grain Size	TOC	Conv*
WP24	CG-MH-010-20130423-S	WP24A								✓								
WR99	KC-VT-1593-20130530-W	WR99A			✓				✓			✓					✓	✓
	KC-VT-1593-20130530-W	WR99B											✓					
	KC-TB-01-20130530-W	WR99C		✓							✓							
	KC-VT-1593-20130530-S	WR99D	✓	✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	KC-CB-01-20130530-S	WR99E			✓			✓	✓			✓		✓		✓	✓	
	KC-DD-2009-20130530-S	WR99F			✓			✓	✓			✓		✓		✓	✓	
WS01	KC-VT-1593-20130530-W	WS01A												✓				
	KC-VT-1593-20130530-W	WS01B													✓			
WS21	KC-IV-SPS-20130531-S	WS21A	✓	✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	
	KC-TB-02	WS21B																
WS90	CL-MH-SPS-20130605-W	WS90A		✓	✓				✓			✓					✓	✓
	CL-VT-EFF-20130605-W	WS90B		✓	✓				✓			✓					✓	✓
	QC-EB-02-20130605-W	WS90C			✓							✓						
	QC-EB-03-20130605-W	WS90D			✓			✓				✓						
	CL-MH-SPS-20130605-W	WS90E											✓					
	CL-VT-EFF-20130605-W	WS90F											✓					
	QC-EB-02-20130605-W	WS90G											✓					
	QC-EB-03-20130605-W	WS90H											✓					
WS91	CL-MH-SPS-20130605-S	WS91A	✓	✓	✓			✓	✓	✓	✓	✓		✓		✓		
	CL-QC-TB-20130605-W	WS91B		✓							✓							
WS92	CL-MH-SPS-02-20130605-W	WS92A												✓				
	CL-VT-EFF-202130605-W	WS92B												✓				
	QC-EB-02-20130605-W	WS92C												✓				
	QC-EB-03-20130605-W	WS92D												✓				
	CL-MH-SPS-02-20130605-W	WS92E													✓			
	CL-VT-EFF-202130605-W	WS92F													✓			
	QC-EB-02-20130605-W	WS92G													✓			
	QC-EB-03-20130605-W	WS92H													✓			

Sample Index
LDW NPDES Investigation
Analytical Resources, Inc.

SDG	Sample ID	Lab ID	Dioxins	VOC	SVOC	SVOC SIM	PAH SIM	PCB	Pest	TPH-Dx	TPH-Gx	Total Metals	Diss Metals	Tot Hg	Diss Hg	Grain Size	TOC	Conv*
WT81	AM-VT-INF-20130612-S	WT81A	✓		✓	✓		✓	✓		✓	✓		✓		✓	✓	
	AM-SF4-EFF-20130612-S	WT81B	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	
	AM-FD-01-20130612-S	WT81C	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	
	AM-TB-01-20130612-W	WT81D		✓					✓		✓							
WU65	LF-TP-001-20130619-W	WU65A			✓		✓		✓			✓					✓	✓
	LF-FD-001-20130619-W	WU65B			✓		✓		✓			✓					✓	✓
	LF-TP-001-20130619-W	WU65C											✓					
	LF-FD-001-20130619-W	WU65D											✓					
WU70	LF-QC-TB-20130619-W	WU70A		✓					✓		✓							
	LF-TP-001-20130619-S	WU70B	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	
	LF-LS-004-20130619-S	WU70C	✓		✓	✓		✓	✓			✓		✓			✓	
WU71	LF-TP-001-20130619-W	WU71A												✓				
	LF-FD-001-20130619-W	WU71B												✓				
	LF-TP-001-20130619-W	WU71C													✓			
	LF-FD-001-20130619-W	WU71D													✓			
WV67	UP-CB-B8-20130626-S	WV67A		✓							✓							
	UP-MHF-165-20130626-S	WV67B		✓							✓							
	UP-CB-A6-20130626-S	WV67C		✓							✓							
	UP-TB-01-20130626-W	WV67D		✓							✓							
	UP-CB-B8-20130626-W	WV67E			✓		✓		✓									✓
WV95	UP-CB-B8-20130626-W	WV95A							✓									
WY32	UP-CB-B8-20130626-S	WY32A	✓		✓	✓		✓	✓	✓		✓		✓		✓	✓	
	UP-MHF-165-20130626-S	WY32B			✓	✓		✓	✓	✓		✓		✓		✓	✓	
	UP-CB-A6-20130626-S	WY32C			✓	✓		✓	✓	✓		✓		✓		✓	✓	
	UP-CB-B8-20130626-W	WY32D										✓						✓
	UP-CB-B8-20130626-W	WY32E											✓	✓				
WY33	UP-CB-B8-20130626-W	WY33A												✓				
	UP-CB-B8-20130626-W	WY33B													✓			

* pH, Cond, Alk, cond., TSS, chloride, sulfate, nitrate/nitrite, TOC, DOC

Sample Index
LDW NPDES Investigation
SGS Analytical

SDG	Sample ID	Lab ID	PCB Congeners
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	✓
	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	✓
	IM-MH-01-20130410-W	A5781_11228_PCB_003	✓
	IM-SW-01-20130410-W	A5781_11228_PCB_004	✓
	NS-OF-006-20130419-W	A5781_11228_PCB_005	✓
	NS-OF-002-20130419-W	A5781_11228_PCB_006	✓
	NS-MH-682-20130419-W	A5781_11228_PCB_007	✓
	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	✓
	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	✓
	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	✓
	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	✓
	LF-TP-001-20130619-W	A5781_11231_PCB_012	✓
	LF-FD-001-20130619-W	A5781_11231_PCB_013	✓
	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	✓
	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	✓
	QC-EB-01-20130419-W	A5781_11231_PCB_016-D5	✓

DATA VALIDATION REPORT
LDW NPDES Investigation
Volatile Organic Compounds by SW846 Method 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. Analytical Resources, Inc., Tukwila, Washington, performed the analysis. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WK49	1 Sediment	EPA Stage 4
WL67	2 Sediment	EPA Stage 4
WM28	5 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WN31	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WR99	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WS21	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WS91	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WT81	2 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WU70	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WV67	3 Sediment 1 Trip Blank	EPA Stage 4 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; no errors were found.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	1	Matrix Spikes/Matrix Spike Duplicate (MS/MSD)
✓	GC/MS Instrument Performance Check	1	Field Duplicates
2	Initial Calibration (ICAL)	2	Internal Standards
2	Continuing Calibration (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	1	Reporting Limits (MDL and MRL)
1	Field Blanks	✓	Compound Identification
1	Surrogate Compounds	2	Reported Results
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification (Full validation only)

✓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 several sample coolers with temperatures outside control limits, the highest at 17.6°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.

All trip blanks were preserved with HCl to a pH <2. The target analyte 2-chloroethyl vinyl ether is highly reactive and must be analyzed form an unpreserved sample. The results for this compound in all trip blanks were rejected (R-1).

SDG WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Initial Calibration

The initial calibration (ICAL) response factor (RF) and percent relative standard deviation (%RSD) values were acceptable, with the exceptions noted below. The initial calibration verification (ICV) percent recovery (%R) control limits are 80-120% (60-140% for poor responding analytes). For recoveries greater than the upper control limits, positive results in the associated samples were estimated (J-5BH) to indicate a potential high bias. For recoveries less than the lower control limit, results in the associated samples were estimated (J/UJ-5BL) to indicate a potential low bias.

The following outliers resulted in qualification of data:

SDG WJ10: ICV %R: iodomethane, vinyl acetate, 2-chloroethyl vinyl ether, and trans-1,4-dichloro-2-butene; (UJ-5BL) low bias

SDG WK49: ICV %R: acrolein and vinyl acetate; (UJ-5BL) low bias

SDGs WL67 & WM28: ICV %R: acetone (J-5BH) high bias

ICV %R: acrolein, iodomethane vinyl acetate and trans-1,4-dichloro-2-butene; (J/UJ-5BL) low bias

SDG WN31: ICV %R: acrolein, vinyl acetate, and trans-1,4-dichloro-2-butene; (UJ-5BL) low bias

SDG WR99: ICV %R trans-1,4-dichloro-2-butene and vinyl acetate; (UJ-5BL) low bias.

SDG WS21, WS91, & WT81: ICV %R: acrolein, 1,1-dichloroethene, bromoethane, iodomethane, vinyl acetate, and trans-1,4-dichloro-2-butene: (UJ-5BL) low bias

SDG WV67: The ICAL %RSD for iodomethane was greater than the control limit of 20%. The positive result in Sample UP-CB-A6-20130626-S was estimated (J-5A).

Continuing Calibration

The control limits for the percent difference (%D) values in the continuing calibration (CCAL) are +/- 25% and +/- 40% for poor responding analytes. For %D values indicating a decrease in response, associated results were estimated (J/UJ-5BL) to indicate a potential low bias. For %D outliers that indicated and increase in response, associated positive results were estimated (J-5BH) to indicate a potential high bias.

The following outliers resulted in qualification for data:

SDG WJ10: 2-chloroethyl vinyl ether and hexachlorobutadiene - (UJ-5BL) low bias

SDG WL67: acetone and 2-butanone - (J-5BH) high bias

SDG WM28: bromomethane - (J/UJ-5BL) low bias; 2-butanone - (J-5BH) high bias

SDG WT81: 2-chloroethyl vinyl - (UJ-5BL) low bias

SDGs WV67 & WU70: iodomethane - (J-5BH) high bias.

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 WK49: Sample GR-MH-03-20130404-S: naphthalene (U-7)

SDG WL67: Sample GR-CB-07-20130411-S: methylene chloride (U-7)

SDG WM28:

NS-CB-547-20130416-S	methylene chloride, naphthalene
NS-CB-423-20130416-S	methylene chloride, naphthalene
NS-FD-001-20130416-S	methylene chloride, naphthalene
MH-CB-536-20130416-S	methylene chloride, naphthalene
NS-CB-421-20130416-S	methylene chloride
NS-TB-01-20130416-W	methylene chloride, naphthalene

SDG WN31: Sample ES-TB-001-20130424-W: methylene chloride, acetone, and naphthalene (U-7).

SDG WR99: Samples KC-VT-1593-20130530-S and KC-TB-01-20130530-W: methylene chloride (U-7)

SDG WS91: Samples CL-QC-TB-20130605-W and CL-MH-SPS-20130605-S: methylene chloride (U-7)

SDG WT81: Samples AM-SF4-EFF-20130612-S, AM-FD-01-20130612-S, and AM-TB-01-20130612-W: methylene chloride (U-7)

SDG WV67: Sample UP-CB-A6-20130626-S: naphthalene (U-7)

Field Blanks

The following trip blanks were submitted. After qualification based on method blank contamination, there were no positive results remaining in the trip blanks.

SDG	Trip Blank ID
WL49	IM-TB-01-20130410-W
WM28	NS-TB-01-20130416-W
WN31	ES-TB-001-20130424-W
WR99	KC-TB-01-20130530-W
WS91	CL-QC-TB-20130605-W
WS21	KC-TB-02
WV67	UP-TB-01-20130626-W
WU70	LF-QC-TB-20130619-W
WT81	AM-TB-01-20130612-W

Surrogate Compounds

SDG WT81: The %R values for bromofluorobenzene were less than the lower control limit in Samples AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S. The remaining three surrogate %R values were acceptable; no data were qualified based on the single outliers.

SDG WV67: The %R value for bromofluorobenzene was less than the lower control limit in Samples UP-MHF-165-20130626-S and UP-CB-A6-20130626-S. The remaining three surrogate %R values were acceptable; no data were qualified based on these single outliers.

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed at the proper frequency. For LCS/LCSD recoveries 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 recoveries greater than the upper control limit, positive results only 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. The laboratory relative percent difference (RPD) control limit is 40%. For RPD values greater than the control limit, positive results in the associated samples were estimated (J-9).

The following outliers resulted in qualification of data:

SDG WK49: LCS/LCSD RPD: carbon disulfide (J-9)

SDG WL67: LCS/LCSD %R: acetone (J-10H) high bias

SDG WM28: LCS/LCSD %R: 2-butanone (J-10H) high bias

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the LCS/LCSD analyses.

Field Duplicates

The RPD control limit is 50% 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 WM28: One set of field duplicates, NS-CB-547-20130416-S & NS-FD-001-10130416-S, was submitted. The difference values for the analytes below were greater than the control limits.

acetone	4-methyl-2-pentanone
carbon disulfide	m,p-xylenes
2-butanone	o-xylene

SDG WT81: One set of field duplicates, AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S was submitted. The difference value for sec-butylbenzene was greater than the control limit. The RPD values for 2-butanone, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene were greater than the control limit.

Internal Standards

Internal standards (IS) were added to all samples as required by the method. Internal standard method specified control limits are 50%-200% of the response in the associated initial calibration midpoint standard.

The response for 1,4-dichlorobenzene-d4 was less than the lower control limit in the samples listed below. These samples were reanalyzed with comparable results. The analytes associated with this internal standard were estimated (J/UJ-19).

SDG WL67: Sample GR-WS-05-20130411-S

SDG WM28: Samples NS-CB-423-20130416-S and NS-FD-001-20130416-S

SDG WT81: Samples AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S

SDG WV67: Samples UP-CB-B8-20130626-S, UP-MHF-165-20130626-S and UP-CB-A6-20130626-S

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.

Reported Results

The following samples were re-analyzed due to internal standard outliers. Both sets of data were reported. Only one set of results should be reported; therefore the results from one of the multiple analyses were flagged do-not-report (DNR-11). The analysis from which results should be used and the analysis chosen to be flagged DNR are listed in the table below:

SDG	Sample ID	Results to be used	Results flagged DNR
WL67	GR-WS-05-20130411-S	Initial analysis	Re-analysis
WM28	NS-CB-423-20130416-S	re-analysis	Initial analysis
	NS-FD-0001-20130416-S	Initial analysis	Re-analysis
WT81	AM-SF4-EFF-20130612-S	re-analysis	Initial analysis
	AM-FD-01-20130612-S	Initial analysis	Re-analysis
WV67	UP-CB-B8-20130626-S	re-analysis	Initial analysis
	UP-MHF-165-20130626-S	Initial analysis	Re-analysis
	UP-CB-A6-20130626-S	Initial analysis	Re-analysis

SDG WV67: For sample UP-CB-B8-20130626-S, the result for toluene exceeded the calibration range of the instrument in the re-analysis. The laboratory flagged this result with an "E." The sample was re-analyzed at dilution. The result that exceeded the linear range was flagged do-not-report (DNR-20) in favor of the result from the dilution. The results for all analytes except toluene were flagged (DNR-11) in the dilution.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and LCS/LCSD recoveries and precision was also acceptable as demonstrated by the LCS/LCSD and field duplicate RPD values.

Results were estimated based on calibration outliers; LCS/LCSD precision outliers; internal standard recovery; and field duplicate precision outliers. Detection limits were elevated due to method blank contamination.

All results for 2-chloroethyl vinyl ether in the trip blanks were rejected due to acid preservation of the samples.

Results were flagged as DNR to indicate which result (from multiple reported analyses) should not be used.

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

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	1 Water	EPA Stage 4
WK49	1 Water	EPA Stage 4
WL49	2 Water	EPA Stage 4
WM84	4 Water	EPA Stage 4
WN31	1 Water	EPA Stage 4
WR99	1 Water	EPA Stage 4
WS90	2 Water 2 Rinsate Blank	EPA Stage 4 EPA Stage 2A
WU65	2 Water	EPA Stage 4
WV67	1 Water	EPA Stage 4

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 WK49: The result summary for Sample GR-MH-01-20130404-W did not list the target analyte n-nitrosodimethylamine. The laboratory was contacted and submitted a revised data package and EDD.

SDG WN31: The sample ID on the bottle, ES-MH-001-201**3**0424-W, did not match the COC sample ID, ES-MH-001-201**4**0424-W. The laboratory logged the sample in and reported the results using the sample ID on the bottle.

SDG WS90: The sample ID on the bottle, QC-EB-03-2013060**5**-W, did not match the COC sample ID, QC-EB-03-20130**6**-W. The laboratory logged the sample in and reported the results using the sample ID on the bottle.

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.

SDG WK49: The resubmitted EDD for Sample GR-MH-01-20130404-W had the wrong reporting limit (RL). The database was updated to reflect the correct RL.

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 Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	2	Internal Standards
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
✓	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Reported Results
1	Surrogate Compounds	1	Calculation Verification (Full validation only)
2	Laboratory Control Samples (LCS/LCSD)		

✓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 17.6°C. The samples arrived within six hours of collection; there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WN31: The sample ID on the bottle, ES-MH-001-201**3**0424-W, did not match the COC sample ID, ES-MH-001-201**4**0424-W. The laboratory logged the sample in using the sample ID on the bottle.

SDG WS90: The sample ID on the bottle, QC-EB-03-2013060**5**-W, did not match the COC sample ID, QC-EB-03-20130**6**-W. The laboratory logged the sample in using the sample ID on the bottle.

Field Blanks

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

SDG WS90: Two equipment rinsates were submitted in this SDG, QC-EB-02-20130605-W, associated with water samples and QC-EB-03-20130605-W, associated with sediment samples. Diethylphthalate was detected in both rinsate blanks.

The result for diethylphthalate in Sample UP-CB-B8-20130626-W, reported in SDG WV67, was qualified as not detected (U-6). The results for sediment samples are discussed in separate validation report.

Surrogate Compounds

SDG WU65: The percent recovery (%R) value for 2,4,6-tribromophenol was greater than the upper control limit in Sample LF-FD-001-20130619-W. No data were qualified based on this single outlier.

SDG WV67: The %R values for the base-neutral surrogate, nitrobenzene-d5, and the acid surrogate, 2,4,6-tribromophenol, were greater than the upper control limit in Sample UP-CB-B8-20130626-W. One outlier per fraction is allowed; no action was taken.

The %R value for 2,4,6-tribromophenol was greater than the upper control limit in the dilution analysis of Sample UP-CB-B8-20130626-W. No data were qualified based on this single outlier.

The %R value for 2,4,6-tribromophenol was less than 10% in the laboratory control sample (LCS). No action was taken for this QC sample outlier.

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 %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.

The relative percent difference (RPD) control limit is 50%. For 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 WU65: The analytes 1,2-diphenylhydrazine and azobenzene were not recovered in the LCS/LCSD samples, indicating a potential very low bias. These analytes were not detected in the associated samples; the results for these analytes were rejected (R-10L).

SDG WV67: The analytes 1,2-diphenylhydrazine and azobenzene were not recovered in the LCS sample, indicating a potential very low bias. These analytes were not detected in the associated sample; the results for these analytes were rejected (R-10L).

Matrix Spike/Matrix Spike Duplicates

SDGs WJ10, WK49, WN31 & WR99: Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the LCS/LCSD analyses.

SDGs WL49 & WV67: No MS/MSD analyses were performed. Accuracy was evaluated using the LCS analysis. Precision could not be evaluated.

Field Duplicates

The RPD control limit is 50% 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 WU65: One set of field duplicates, LF-TP-001-20130619-W & LF-FD-001-20130619-W, was submitted. No target analytes were detected in either sample. Field precision was acceptable.

Internal Standards

SDG WV67: The area of the internal standard naphthalene-d8 was less than the lower control limit in Sample UP-CB-B8-20130626-W. The results for the associated compounds were estimated (J/UJ-19).

Reporting Limits

Reporting limits for one or more analytes in most samples were elevated due to a reduced sample aliquot, high moisture content, and/or necessary dilutions.

Reported Results

SDG WV67: Sample UP-CB-B8-20130626-W was re-analyzed at dilution. In order to report the lowest detection limits, the results for the re-analysis were flagged do-not-report (DNR-11) in favor of the initial results.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and LCS/LCSD recoveries and precision was acceptable as demonstrated by the LCS/LCSD and field duplicate RPD values.

Data were estimated based on internal standard and LCS/LCSD accuracy outliers.

Data were qualified as not detected due to field blank contamination.

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

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

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 4
WK49	1 Sediment	EPA Stage 4
WL49	2 Sediment	EPA Stage 4
WL67	2 Sediment	EPA Stage 4
WM28	5 Sediment	EPA Stage 4
WN27	1 Sediment	EPA Stage 4
WN31	1 Sediment	EPA Stage 4
WR99	3 Sediment	EPA Stage 4
WS21	1 Sediment	EPA Stage 4
WS91	1 Sediment	EPA Stage 4
WT81	3 Sediment	EPA Stage 4
WU70	2 Sediment	EPA Stage 4
WY32	3 Sediment	EPA Stage 4

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; no errors were found.

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 Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	1	Field Duplicates
2	Continuing Calibration (CCAL)	✓	Internal Standards
1	Laboratory Blanks	✓	Target Analyte List
1	Field (Equipment Rinsate) Blanks	1	Reporting Limits
2	Surrogate Compounds	2	Reported Results
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification

✓ 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 17.6°C. The samples arrived at the laboratory within six hours of collection, there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Continuing Calibration

The control limits for the percent difference (%D) values in the continuing calibration (CCAL) are +/- 25%. For %D values indicating a decrease in response, associated results were estimated (J/UJ-5BL) to indicate a potential low bias. For %D outliers that indicated and increase in response, associated positive results were estimated (J-5BH) to indicate a potential high bias.

The following outliers resulted in qualification for data:

SDG WL49: benzyl alcohol - (J/UJ-5BL) low bias

SDG WL67: benzyl alcohol - (UJ-5BL) low bias

SDGs WN27 & WN31: benzoic acid and pentachlorophenol - (UJ-5BL) low bias

SDG WS91: benzoic acid - (UJ-5BL) low bias

SDG WT81: benzoic acid, and 2,4-dinitrophenol - (UJ-5BL) low bias

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). Qualified results less than the reporting limit (RL), were also elevated to the RL.

The following outliers resulted in qualification of data.

SDG WY32: Phenol was detected in the method blank. Results for this analyte were qualified as not detected (U-7) in the associated samples.

Field Blanks

In order to evaluate the effect of field blank contamination on the field samples, action levels are established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level would be qualified as not-detected (U-6). Qualified results less than the RL are also elevated to the RL.

SDG WS90: Equipment rinsate blank, QC-EB-03-20130605-W, was associated with all solid samples from the June sampling. A positive result for diethylphthalate was detected in this rinsate blank; diethylphthalate was not-detected (ND) in all associated sample. No action was required.

Surrogate Compounds

SDG WL67: The percent recovery (%R) value for nitrobenzene-d5 was less than the lower control limit in Sample GR-WS-20130411-S. All other surrogate %R values were within control limits; no data were qualified based on this single surrogate outlier.

SDG WS91: The %R value for 2,4,6-tribromophenol was less than 10% in Sample CL-MH-SPS-20130605-S, indicating a potential very low bias. The remaining three acid fraction surrogate %R values were acceptable. Acid fraction results were estimated (J/UJ-13L).

The %R values for 2,4,6-tribromophenol were less than the lower control limit in the matrix spike and matrix spike duplicate samples. No action was taken for the QC sample outliers.

Laboratory Control Samples

Laboratory control sample (LCS) were analyzed at the proper frequency. For LCS %R values that were less than the lower control limit, positive results and/or non-detects in the associated samples were estimated (J/UJ-10) to indicate a potential low bias. For recoveries greater than the upper control limit, positive results only in the associated samples were estimated (J-10) to indicate a potential high bias.

SDG WJ10: The %R value for benzyl alcohol was less than 10%, indicating a potential very low bias. This analyte was not detected in the associated samples. The results for this analyte were rejected (R-10L).

SDG WS91: The %R values for 4-chloroaniline and aniline were less than 10% and 3,3'-dichlorobenzidine was not recovered, indicating a potential very low bias. These analytes were not detected in the associated sample; results for these analytes were rejected (R-10L).

The %R value for 3-nitroaniline was less than the lower control limit, indicating a potential low bias. This analyte was not detected in the associated sample; the result was estimated (UJ-10L).

SDG WU70: The %R value for aniline was less than 10%, indicating a very low bias. This analyte was not detected in the associated samples. The results for this analyte were rejected (R-10L).

SDG WY32: The %R values for 4-chloroaniline, 3,3'-dichlorobenzidine and aniline were less than 10%, indicating a potential very low bias. These analytes were not detected in the associated samples; the results were rejected (R-10L).

The %R value for carbazole was greater than the upper control limit, indicating a potential high bias. All positive results in the associated samples were estimated (J-10H).

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) were analyzed at the proper frequency. For MS/MSD %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 recoveries greater than the upper control limit, positive results only in the parent sample were estimated (J-8H) to indicate a potential high bias. If the %R values are less than 10% positive results were estimated (J-8L) and reporting limits were rejected (R-8L). 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.

The RPD control limit is 50%. For RPD outliers, associated positive results were estimated (J-9). No action was taken for non-detects.

The outliers for the following analytes resulted in qualification of data:

SDG WJ10: QC Sample SD-CB-01-20130326-S

Analyte	Qualifier	Analyte	Qualifier	Analyte	Qualifier
n-nitrosodiphenylamine	J-8L	2-nitrophenol	R-8L	3-nitroanaline	R-8L
butyl benzyl phthalate	J-8L	hexachlorcyclopentadiene	R-8L	4-nitroanaline	R-8L
benzo(g,h,i)perylene	J-8L	2,4-dinitrophenol	R-8L	aniline	R-8L
di-n-butyl phthalate	J-9	3,3'dichlorobenzidine	R-8L		
butyl benzyl phthalate	J-9	4-chloroanaline	R-8L		

SDG WK49: QC Sample GR-MH-03-20130404-S:

Analyte	Qualifier	Analyte	Qualifier
3-nitroaniline	UJ-8L	butyl benzyl phthalate	J-9
2-nitrophenol	R-8L	4-chloroanaline	R-8L
hexachlorocyclopentadiene	R-8L	2,4-dinitrophenol	R-8L
3,3'dichlorobenzidine	R-8L	aniline	R-8L

SDG WL49: QC Sample IM-CB-02-20130410-S: benzoic acid, hexachlorcyclopentadiene, 3,3-dichlorobenzidine, and aniline - rejected (R-8L) very low bias; benzyl alcohol - (J-8L) low bias

SDG WM28: QC Sample NS-CB-423-20130416-S. 2,4-dinitrophenol and 4-chloroaniline - (UJ-8L) low bias; hexachlorcyclopentadiene, 3,3'-dichlorobenzidine and aniline - rejected (R-8L) very low bias

SDG WN27: QC Sample CG-MH-010-20130423-S:

Analyte	Qualifier	Analyte	Qualifier
4-nitroaniline	UJ-8L	indeno(1,2,3-cd)pyrene	J-8L
3-nitroaniline	R-8L	benzo(g,h,i)perylene	J-8L
hexachlorocyclopentadiene	R-8L	4-chloroanaline	R-8L
3,3'dichlorobenzidine	R-8L	aniline	R-8L

SDG WR99: QC Sample KC-VT-1593-20130530-S:

Analyte	Qualifier	Analyte	Qualifier
4-chloroaniline	R-8L	aniline	R-8L
3,3'-dichlorobenzidine	R-8L	phenanthrene	J-8 (no bias)
Chrysene	J-8L	Benzo(a)anthracene	J-8L
Indeno(1,2,3-cd)pyrene	J-8L	Benzo(a)pyrene	J-8L
Total Benzofluoranthenes	J-8L	Benzo(g,h,i)perylene	J-8L

SDG WS91: QC Sample CL-MH-SPS-20130605-S:

Analyte	Qualifier	Analyte	Qualifier	Analyte	Qualifier
Fluorene	J-9	Pyrene	J-9	benzoic acid	R-8L
Fluoranthene	J-9	2,4,6-trichlorophenol	UJ-8L	hexachlorcyclopentadiene	R-8L
Chrysene	J-9	aniline	UJ-8L	4 nitrophenol	R-8L
Phenanthrene	J-9	3,3'-dichlorobenzidine	R-8L		

SDG WT81: QC Sample AM-SF4-EFF-20160612-S:

Analyte	Qualifier	Analyte	Qualifier
4-Chloroaniline	R-8L	4-nitroaniline	UJ-8L
Hexachlorcyclopentadiene	R-8L	indeno(1,2,3-cd)pyrene	J-8L
3-Nitroaniline	R-8L	benzo(g,h,i)perylene	J-8L
3,3'-Dichlorobenzidine	R-8L	fluoranthene	J-8H
Aniline	R-8L		

SDG WU70: QC Sample LF-LS_004-20130619-S: benzoic acid, hexachlorcyclopentadiene, aniline and 3,3'-dichlorobenzene - rejected (R-8L) very low bias; 4-chloroaniline - (UJ-8L) low bias

SDG WY32: QC Sample UP-CB-B8-20130626-S.

Analyte	Qualifier	Analyte	Qualifier
Hexachlorocyclopentadiene	R-8L	Aniline	R-8L
3-Nitroaniline	R-8L	4-chloroaniline	R-8L
4-Nitroaniline	R-8L	carbazole	J-8H
3,3'-Dichlorobenzidine	R-8L	di-n-octylphthalate	J-9

Field Duplicates

The RPD control limit is 50% 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. Users of the data should consider the impact of field precision outliers on the reported results.

SDG WM28: One set of field duplicates, NS-CB-547-20130416-S & NS-FD-001-20130416-S, was submitted. The RPD values for fluoranthene, pyrene, butyl benzyl phthalate and chrysene were greater than the control limit. The difference values for the analytes below were greater than the control limit.

2-methylphenol	4-methylphenol	naphthalene
2-methylnapthalene	acenaphthalene	dibenzofuran
fluorene	phenanthrene	anthracene
di-n-butyl phthalate	benz(a)anthracene	1-methylnaphthalene

SDG WT81: One set of field duplicates, AM-SF4-EFF-20130612-S & AM-FD-01-20130612-S, was submitted. Field precision was acceptable.

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

Results for several analytes were flagged "E" or "ES" by the laboratory in several samples to indicate that the calibration linear range was exceeded and/or that there was detector saturation. These samples were diluted and reanalyzed. Both sets of results were reported. The results flagged "E" or "ES" were flagged do-not-report (DNR-20. The results for all other analytes in the dilutions were flagged do-not-report (DNR-11). The following analytes required dilution:

SDG WJ10: Sample SD-CB-01-20130326-S: fluorene, phenanthrene, carbazole, anthracene, fluoranthene, pyrene, benzo(a)anthracene and chrysene.

SDG WL67: Sample GR-WS-05-20130411-S: bis(2-ethylhexyl)phthalate.

SDG WN27: Sample CG-MH-010-20130423-S: bis(2-ethylhexyl)phthalate.

SDG WN31: Sample ES-TS-INF-20130424-S: bis(2-ethylhexyl)phthalate.

SDG WY32: Samples UP-CB-B8-20130626-S and UP-CB-A6-20130626-S: bis(2-ethylhexyl) phthalate.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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, and MS/MSD recoveries and precision was acceptable as demonstrated by the MS/MSD and field duplicate RPD values.

Data were estimated due to calibration outliers; surrogate and matrix spike accuracy outliers; and MS/MSD precision outliers.

Data were rejected due to LCS and MS/MSD accuracy outliers.

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 are not useable for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
Semivolatile Organic Compounds by SW846 Method 8270D-SIM

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

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 4
WK49	1 Sediment	EPA Stage 4
WL49	2 Sediment	EPA Stage 4
WL67	2 Sediment	EPA Stage 4
WM28	5 Sediment	EPA Stage 4
WN27	1 Sediment	EPA Stage 4
WN31	1 Sediment	EPA Stage 4
WR99	3 Sediment	EPA Stage 4
WS21	1 Sediment	EPA Stage 4
WS91	1 Sediment	EPA Stage 4
WT81	3 Sediment	EPA Stage 4
WU70	2 Sediment	EPA Stage 4
WY32	3 Sediment	EPA Stage 4

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; no errors were found.

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 Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	✓	Internal Standards
2	Continuing Calibration (CCAL)	1	Field Duplicates
2	Laboratory Blanks	✓	Target Analyte List
1	Field (Equipment Rinsate) Blanks	1	Reporting Limits
✓	Surrogate Compounds	2	Reported Results
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification

✓ 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 17.6°C. The samples arrived at the laboratory within six hours of collection, there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Continuing Calibration

The control limits for the percent difference (%D) values in the continuing calibration (CCAL) are +/- 25%. For %D values indicating a decrease in response, associated results were estimated (J/UJ-5BL) to indicate a potential low bias. For %D outliers that indicated and increase in response, associated positive results were estimated (J-5BH) to indicate a potential high bias.

The following outliers resulted in qualification for data:

SDG WJ10: benzyl alcohol and pentachlorophenol - (UJ-5BL) low bias.

SDG WK49: pentachlorophenol - (UJ-5BL) low bias

SDG WL49: pentachlorophenol - (UJ-5BL) low bias

SDG WL67: pentachlorophenol - (UJ-5BL) low bias

SDG WN27: pentachlorophenol - (UJ-5BL) low bias

SDG WN31: pentachlorophenol - (UJ-5BL) low bias

SDG WS91: pentachlorophenol - (UJ-5BL) low bias

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). Qualified results less than the reporting limit (RL), were also elevated to the RL.

The following outliers resulted in qualification of data:

SDG WJ10: diethylphthalate – not-detected (U-7)

SDG WN31: diethylphthalate – not-detected (U-7)

SDG WR99: diethylphthalate – not-detected (U-7)

SDG WS21: diethylphthalate – not-detected (U-7)

SDG WS91: diethylphthalate – not-detected (U-7)

SDG WT81: diethylphthalate – not-detected (U-7)

Field Blanks

In order to evaluate the effect of field blank contamination on the field samples, action levels are established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level would be qualified as not-detected (U-6).

One equipment rinsate was submitted, QC-EB-03-20130605-W, which was associated with sediment samples from the June sampling event. Naphthalene, 2-methylnaphthalene, and 1-methylnaphthalene were detected in the rinsate blank. These analytes were not reported from this method for the associated samples; no data were qualified based on field blank results.

Laboratory Control Samples

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed at the proper frequency. For LCS/LCSD percent recovery (%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 recovery values greater than the upper control limit, positive results only in the associated samples were estimated (J-10H) to indicate a potential high bias. No action was taken if only the LCS or LCSD recovery value was outside of the control limit.

The relative percent difference (RPD) control limit is 50%. For RPD outliers, associated positive results were estimated (J-9). No action was taken for non-detected results.

SDG WJ10: The LCS %R value for benzyl alcohol was less than 10%, indicating a potential very low bias. This analyte was not detected in the associated samples. Results for this analyte were rejected (R-10L).

SDG WU70: The LCS %R value for diethylphthalate was less than the lower control limit, indicating a potential low bias. This analyte was not detected in the associated samples. Results were estimated (UJ-10L).

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) were analyzed at the proper frequency. For MS/MSD %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 recoveries greater than the upper control limit, positive results only in parent sample were estimated (J-8H) to indicate a potential high bias. No action was taken if only the MS or MSD recovery value was outside of the control limit or if the native sample concentration is greater than 4x the spike level.

The RPD control limit is 50%. For RPD outliers, positive results in the parent sample were estimated (J-9). No action was taken for non-detects.

The following outliers resulted in qualification of data:

SDG WJ10: QC Sample SD-CB-01-20130326-S: butylbenzylphthalate and 2-methylphenol (J-8L) low bias; dimethylphthalate - (J-9) RPD outlier

SDG WK49: QC Sample GR-MH-03-20130404-S: butylbenzylphthalate (J-9) RPD outlier

SDG WL49: QC Sample IM-CB-02-20130410-S: benzyl alcohol (J-8L) low bias

Field Duplicates

The RPD control limit is 50% for results greater than five times (5x) the reporting limit (RL). For results less than 5x the RL, the difference between the sample and replicate must be less than 2x the RL. Qualification of data was not required based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG WM28: One set of field duplicates, NS-CB-547-20130416-S & NS-FD-001-10130416-S, was submitted. The RPD value for butylbenzylphthalate and the difference values for dibenz(a,h)anthracene and 2-methylphenol were greater than the control limits.

SDG WT81: One set of field duplicates, AM-SF4-EFF-20130612-S & AM-FD-01-20130612-S, was submitted.

Reporting Limits

Reporting limits for one or more analytes in most samples were elevated due to a reduced sample aliquot, high moisture content, and/or necessary dilutions.

Reported Results

SDG WL49: The result for benzyl alcohol in Sample IM-CB-01-20130410-S exceeded the linear calibration range. The sample was not re-analyzed at dilution. The result for this analyte was estimated (J-20).

SDG WT81: The result for butylbenzylphthalate in Sample AM-VT-INF-20130612-S exceeded the linear calibration range. The sample was not re-analyzed at dilution. The result for this analyte was estimated (J-20).

SDG WY32: The result for butylbenzylphthalate in Sample UP-CB-B8-20130626-S and dimethylphthalate in Sample UP-MHF-165-20130626-S exceeded the linear calibration range. The results for these analytes were estimated (J-20).

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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, and MS/MSD recoveries. With the exceptions noted above, precision was acceptable as demonstrated by the MS/MSD and field duplicate RPD values.

Data were estimated due to instrument sensitivity and linear calibration range outliers; LCS and matrix spike accuracy outliers; and MS/MSD precision outliers.

Data were qualified as not detected due to method blank contamination.

Data were rejected due to a LCS accuracy outlier.

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

DATA VALIDATION REPORT
LDW NPDES Investigation
Polycyclic Aromatic Hydrocarbons by SW846 Method 8270D-SIM

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

SDG	Number of Samples	Validation Level
WJ10	1 Water	EPA Stage 4
WK49	1 Water	EPA Stage 4
WL49	2 Water	EPA Stage 4
WM84	4 Water	EPA Stage 4
WN31	1 Water	EPA Stage 4
WR99	1 Water	EPA Stage 4
WS90	2 Water 2 Rinsate Blank	EPA Stage 4 EPA Stage 2A
WU65	2 Water	EPA Stage 4
WV67	1 Water	EPA Stage 4

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; 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	Matrix Spikes/Matrix Spike Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	✓	Internal Standards
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	1	Reporting Limits
2	Field Blanks	2	Reported Results
✓	Surrogate Compounds	1	Calculation Verification
1	Laboratory Control Samples (LCS/LCSD)		

✓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 17.6°C. The samples arrived within a few hours of collection; there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WN31: The sample ID on the bottle, ES-MH-001-201**3**0424-W, did not match the chain of custody (COC) sample ID, ES-MH-001-201**4**0424-W. The laboratory logged the sample in using the sample ID on the bottle.

SDG WS90: The sample ID on the bottle, QC-EB-03-2013060**5**-W, did not match the COC sample ID, QC-EB-03-20130**6**-W. The laboratory logged the sample in using the sample ID on the bottle.

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). Qualified results less than the reporting limit (RL), were also elevated to the RL.

SDG WJ10: Naphthalene was detected in the method blank. This analyte was not detected in the associated sample; no action was necessary.

SDG WM84 and WN31: Naphthalene was detected in the method blanks. This analyte was detected in the associated samples at concentrations less than the action level. These results were qualified as not-detected (U-7).

Field Blanks

In order to evaluate the effect of field blank contamination on the field samples, action levels are established at 5x the blank concentration (10x for common laboratory contaminants). Positive results in the associated samples that were less than the action level would be qualified as not-detected (U-6).

SDG WS90: Two equipment rinsates were submitted, Samples QC-EB-02-20130605-W and QC-EB-03-20130605-W. Positive results for naphthalene, 2-methylnaphthalene, and 1-methylnaphthalene were detected in both rinsate blanks.

Results for naphthalene, 2-methylnaphthalene, and 1-methylnaphthalene were qualified as not-detected (U-6) in Sample CL-MH-SPS-20130605-W. The result for naphthalene was qualified as not detected (U-6) in Sample CL-VT-EFF-20130605-W.

SDG WV67: Results for naphthalene and 2-methylnaphthalene were qualified as not-detected (U-6) in Sample UP-CB-B8-20130626-W.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses.

Field Duplicates

The relative percent difference (RPD) control limit is 50% 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 WU65: One set of field duplicates, LF-TP-001-20130619-W & LF-FD-001-20130619-W, was submitted. No target analytes were detected in either sample. Field precision was acceptable.

Reporting Limits

Reporting limits were elevated in several samples due to necessary dilutions.

Reported Results

SDG WR99: The result for acenaphthene in Sample KC-VT-1593-20130530-W exceeded the calibration range of the instrument. The lab flagged this result with an "E". This sample was diluted and reanalyzed; both sets of results were reported. The "E" flagged result was flagged do-not-report (DNR-20). The results for all other analytes in the dilution were flagged do-not-report (DNR-11).

SDG WV67: A positive result for 1-methylnaphthalene was reported at less than the reporting limit in Sample UP-CB-B8-20130626-W. The lab was contacted and confirmed that no "J" flagged results should have been reported. The summary form was resubmitted with the result not-detected at the RL. The result in the database was changed to agree with the summary form.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and LCS/LCSD recoveries. Precision was acceptable as demonstrated by the LCS/LCSD and field duplicate RPD values.

Detection limits were elevated due to method blank 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 should not be used for any purpose. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, performed the analysis. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WK49	1 Sediment	EPA Stage 4
WL49	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WL67	2 Sediment	EPA Stage 4
WM28	5 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WN31	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WR99	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WS21	1 Sediment	EPA Stage 4
WS91	1 Sediment	EPA Stage 4
WV67	3 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WU70	1 Sediment 1 Trip Blank	EPA Stage 4 EPA Stage 2A
WT81	2 Sediment 1 Trip Blank	EPA Stage 4 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; 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	Matrix Spikes/Matrix Spike Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
✓	Laboratory Blanks	1	Reporting Limits
✓	Surrogate Compounds	✓	Reported Results
1	Field Blanks	1	Calculation Verification
✓	Laboratory Control Samples (LCS/LCSD)		

✓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 17.6°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 WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Field Blanks

No target analytes were detected in the field blanks. The following trip blanks were submitted:

SDG WL49: IM-TB-01-20130410-W

SDG WM28: NS-TB-01-20130416-W

SDG WN31: ES-TB-001-20130424-W

SDG WR99: KC-TB-01-20130530-W

SDG WS91: One trip blank, CL-QC-TB-20130605-W, was submitted with this SDG. NWTPH-Gx and 8260 analyses were requested on the COC. Due to limited sample volume, NWTPH-Gx analysis was not performed. Gasoline was not detected in the associated sample, CL-MH-SPS-20130605-S. No action was taken.

SDG WV67: UP-TB-01-20130626-W

SDG WU70: LF-QC-TB-20130619-W

SDG WT81: AM-TB-01-20130612-W

Matrix Spikes/ Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses.

Field Duplicates

The relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limits (RL). If either result is less than 5x the RL, the difference between the results must be less than 2x the RL.

SDG WM28: One set of field duplicates, NS-CB-547-20130416-S & NS-FD-001-10130416-S, were submitted. No gasoline range hydrocarbons were detected in either sample; field precision was acceptable.

SDG WT81: One set of field duplicates, AM-SF4-EFF-20130612-S & AM-FD-01-20130612-S, were submitted. No gasoline range hydrocarbons were detected in either sample; field precision was acceptable.

Reporting Limits

The reporting limits specified by the quality assurance project plan (QAPP) were not always met due to a reduced sample aliquot and/or high moisture content. No data were qualified.

Calculation Verification

For each SDG several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. Accuracy was acceptable as demonstrated by the surrogate and LCS/LCSD recovery values. Precision was also acceptable as demonstrated by the LCS/LCSD and field duplicate RPD values.

No data was qualified for any reason.

All data, as reported, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
PCB Aroclors by SW846 Method 8082

This report documents the review of analytical data from the analysis of water samples and the associated laboratory quality control (QC) samples. Samples were analyzed by Analytical Resources, Inc., Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WL49	2 Water	EPA Stage 4

I. DATA PACKAGE COMPLETENESS

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

The summary forms for several continuing calibration (CCAL) checks were not included in the laboratory data package. The laboratory submitted the missing forms upon request.

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.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

✓	Sample Receipt, Preservation, and Holding Times	1	Matrix Spikes/Matrix Spike Duplicate (MS/MSD)
✓	Initial Calibration (ICAL)	✓	Internal Standards
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
✓	Laboratory Blanks	1	Reporting Limits
✓	Field (Equipment Rinsate) Blanks	2	Compound Identification
✓	Surrogate Compounds	✓	Reported Results
✓	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification

✓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.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses.

Compound Identification

SDG WL49: The %D value for Aroclor 1260 in Sample IM-MH-01-20130410-W was greater than the control limit of 40%. This result was "P" flagged by the laboratory to indicate that the second column confirmation criteria was not met. Because the %D value was also greater than 60%, this result was qualified as estimated and tentatively identified (NJ-3).

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed the specified analytical method. Accuracy was acceptable as demonstrated by the surrogate and LCS/LCSD recoveries. Precision was acceptable, as demonstrated by the relative percent difference values for the LCS/LCSD analyses.

One result was estimated and tentatively identified based on a confirmation column %D outlier.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 4
WK49	1 Sediment 1 Rinsate Blank	EPA Stage 4 EPA Stage 2A
WL49	2 Sediment	EPA Stage 4
WL67	2 Sediment	EPA Stage 4
WR99	3 Sediment	EPA Stage 4
WM28	5 Sediment	EPA Stage 4
WN27	1 Sediment	EPA Stage 4
WN31	1 Sediment	EPA Stage 4
WS21	1 Sediment	EPA Stage 4
WS90	1 Rinsate Blank	EPA Stage 2A
WS91	1 Sediment	EPA Stage 4
WT81	3 Sediment	EPA Stage 4
WU70	2 Sediment	EPA Stage 4
WY32	3 Sediment	EPA Stage 4

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 WL49: The summary forms for several continuing calibration (CCAL) checks were not included in the laboratory data package. The laboratory submitted the missing forms upon request.

SDG WL67: The Internal Standard Area and RT Summary Form for the analysis date of 04/24/2013 was not present in the laboratory data package. The laboratory submitted the missing form upon request.

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.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	Initial Calibration (ICAL)	1	Internal Standards
1	Continuing Calibration (CCAL)	✓	Target Analyte List
✓	Laboratory Blanks	2	Reporting Limits
1	Field (Equipment Rinsate) Blanks	2	Compound Identification
1	Surrogate Compounds	2	Reported Results
✓	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification
2	Matrix Spikes/Matrix Spike Duplicate (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 17.6°C. The samples arrived at the laboratory within six hours of collection, there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Continuing Calibration

The values for the continuing calibration (CCAL) percent difference (%D) were within the ±25% control limit, with the exceptions noted below.

SDGs WN27 and WN31: For the CCALs analyzed 5/6/13 22:43 and 5/6/13/23:03, there were several %D outliers. The field samples were reanalyzed with acceptable associated CCAL values. The results from the re-analyses should be used; no action was necessary based on these CCAL.

Field Blanks

SDG WK49: One equipment rinsate, QC-EB-01-20130404-W, was submitted. No target analytes were detected.

SDG WS90: One equipment rinsate, QC-EB-03-20130605-W, was submitted. No target analytes were detected.

Surrogate Compounds

SDG WK49: For Sample GR-MH-03-20130404-S, the percent recovery value (%R) for decachlorobiphenyl (DCBP) was greater than the upper control limit on the first column. All Aroclor results were reported from the second column; therefore qualification was not required.

SDG WM28: The DCBP %R values for the method blank and laboratory control sample were greater than the upper control limit. No qualifiers were applied to the QC samples.

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.

SDG WK49: The MS/MSD analyses were performed using Sample GR-MH-03-20130404-S. The Aroclor 1016 %R values were not reported and the Aroclor 1260 %R values were greater than the upper control limit; however the samples were diluted at 20x due to matrix interferences. No action was taken based on the MS/MSD results.

SDG WM28: The MS/MSD analyses were performed using Sample NS-FD-001-20130416-S. The %R values for Aroclor 1260 were greater than the upper control limit and were indicative of a potential high bias. The Aroclor 1260 result in the parent sample was estimated (J-8H).

SDG WS21: Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses were performed instead of MS/MSD analyses. Precision and accuracy were evaluated using the LCS/LCSD analyses.

Field Duplicates

The RPD control limit is 50% 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 WM28: One set of field duplicates, NS-CB-547-20130416-S and NS-FD-001-20130416-S, were submitted. Field precision was acceptable.

SDG WT81: One set of field duplicates, AM-VT-INF-20130612-S & AM-FD-01-20130612-S, was submitted. The parent sample was analyzed at 1x and the duplicate was analyzed at a 5x dilution. The results for Aroclors 1248, 1254, and 1260 fell outside of the acceptance criteria.

Internal Standards

With the following exception, the percent recovery (%R) values for the internal standards (IS) were within the control limits of 50% – 200% of the area in the associated CCAL.

SDG WM28: For Sample NS-FD-001-20130416-S MS (matrix spike), the %R value for hexabromobiphenyl was less than the lower control limit on the ZB-5 column. The %R value was within control limits on the ZB-35 column. No qualifier was applied to the QC sample.

Reporting Limits

Most samples were analyzed at dilution due to matrix interferences. Reporting limits were elevated accordingly.

Several chromatograms indicated non-target background interference. The reporting limits (RL) for these analytes were flagged "Y" by the laboratory. These "Y" flagged results were qualified (U-22) to indicate that they were not-detected at an elevated RL. The following results were qualified:

SDG WK49: Aroclor 1260: GR-MH-03-20130404-S

SDG WR99: Aroclor 1248: KC-CB-01-20130530-S & KC-DD-2009-20130530-S

SDG WM28: Aroclor 1248: NS-CB-547-20130416-S, NS-MH-536-20130416-S, NS-FD-001-20130416-S

SDG WN27: Aroclor 1248: CG-MH-010-20130423-S DL

SDG WS91: Aroclor 1232 & Aroclor 1254: CL-MH-SPS-20130605-S

SDG WU70: Aroclor 1248: LF-TP-001-20130619-S, LF-LS-004-20130619-S

Compound Identification

SDG WK49: The percent difference (%D) between the two analytical columns was greater than 40% for the surrogate decachlorobiphenyl in Sample GR-MH-03-20130404-S. Qualifiers are not applied to surrogates.

SDG WL67: The percent difference (%D) between the two analytical columns was greater than 40% for Aroclor 1260 in Sample GR-CB-07-20130411-S. This result was estimated (J-3).

Reported Results

SDG WN27: Sample CG-MH-010-20130423-S was re-analyzed at a dilution due to CCAL outliers associated with the original analysis. The original results were flagged do-not-report (DNR-11) in favor of the results from the re-analysis.

SDG WN31: Sample ES-TS-INF-20130424-S was re-analyzed at a dilution due to CCL outliers associated with the original analysis. The original results were flagged do-not-report (DNR-11) in favor of the results from the re-analysis.

SDG WR99: For Sample KC-DD-2009-20130530-S, the concentration of Aroclors 1254 and 1260 in the 10x dilution were greater than the calibration range. The sample was re-analyzed at 100x dilution; both sets of data were reported. Results that were over the calibration range were flagged do-not-report (DNR-20). All other analyte results in the 100x dilution were flagged (DNR-11).

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 LCS/LCSD, MS/MSD and field duplicate RPD values.

Reporting limits were elevated based on non-target background interference. Data were estimated based on a confirmation column %D outlier and MS/MSD recovery outliers. Data were flagged do-not-report (DNR) to indicate which result should not be used from multiple reported analyses.

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

DATA VALIDATION REPORT
LDW NPDES Investigation
Pesticides by Method 8081B

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, Inc., Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	1 Water	EPA Stage 4
WK49	1 Water	EPA Stage 4
WL49	2 Water	EPA Stage 4
WM84	4 Water	EPA Stage 4
WN31	1 Water	EPA Stage 4
WR99	1 Water	EPA Stage 4
WS90	2 Water	EPA Stage 4
WU65	2 Water	EPA Stage 4
WV67	1 Water	EPA Stage 4
WV95	1 Water	EPA Stage 4

I. DATA PACKAGE COMPLETENESS

With the exception 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 WM84: The laboratory did not submit a copy of the log book page documenting the analytical sample run. The log book page from SDG WN31 included the run from this SDG.

SDG's WR99 and WS90: The laboratory did not provide a toxaphene CCAL summary form. The raw data was used for validation.

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.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	Initial Calibration (ICAL)	✓	Internal Standards
1	Continuing Calibration (CCAL)	✓	Target Analyte list
✓	Laboratory Blanks	2	Reporting Limits
1	Field Blanks	1	Compound Identification
1	Surrogate Compounds	2	Reported Results
2	Laboratory Control Samples (LCS/LCSD)	✓	Calculation Verification
1	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 several sample coolers with temperatures outside control limits, the highest at 17.6°C and the lowest at 0.8°C. The samples arrived within hours of collection; there was insufficient time to cool the samples. These temperature outliers did not impact data quality and no data were qualified.

SDG WN31: The Sample ID for Sample ES-MH-001-201**3**0424-W as listed in the EDD and laboratory report did not match the COC (ES-MH-001-201**4**0424-W). The client noted that the COC was incorrect; no further action was necessary.

Continuing Calibration

SDG WL49: For the continuing calibrations (CCALs) analyzed on 4/22/13 at 19:30 and 23:59, the %D values for several compounds indicated a potential low bias on the secondary column. All results were reported from the primary column; no data were qualified.

SDGs WM84 and WN31: For the CCALs analyzed on 5/1/13 at 14:33 and 19:44, the %D values for methoxychlor indicated a potential low bias on the secondary column. Results were reported from the primary column; no data were qualified.

SDG WS90: For the two CCALs analyzed on 6/18/13 at 11:32 and 16:06, the %D values indicated a potential high bias on both columns. The analytes were not detected in the associated samples, no qualification of data was necessary

Field Blanks

No field blanks were submitted for pesticides analysis.

Surrogate Compounds

SDG WM84: The percent recovery (%R) value for tetrachlorometaxylene was less than the lower control limit in the laboratory control sample duplicate (LCSD); no data were qualified for this QC sample.

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 %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 %R value was outside of the control limit.

The relative percent difference (RPD) control limit is 50%. For RPD outliers, only positive results in the associated samples are estimated (J-9).

SDG WJ10: The LCS %R value for endrin ketone was greater than the upper control limit; the LCSD %R was acceptable. No data were qualified for this single outlier. The relative percent difference (RPD) value for endrin ketone was outside the control limit. This analyte was not detected in the associated sample; no data were qualified.

SDG WM84: The LCSD %R value for hexachlorobenzene was less than the lower control limit; the LCS %R value was acceptable. No data were qualified for this single outlier. The RPD values for hexachlorobenzene and hexachlorobutadiene were outside the control limit. These analytes were not detected in the associated sample; no data were qualified.

SDGs WU65 and WV95: The %R values for delta-BHC were less than the lower control limit. The results in the associated samples were estimated (UJ-10L).

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the LCS/LCSD analyses.

Field Duplicates

The RPD control limit is 50% for results greater than five times the reporting limit (RL). For results less than five times the RL, the difference between the sample and duplicate must be less than the RL.

SDG WU65: One set of field duplicates, LF-TP-001-20130619-W & LF-FD-001-20130619-W, was submitted. No target analytes were detected in either sample; field precision was acceptable.

Reporting Limits

SDG WV95: The chromatogram for Sample UP-CB-B8-20130626-W indicated non-target background interference. The RL for endosulfan I was flagged "Y" by the laboratory; this result was qualified (U-22) to indicate that it was not-detected at an elevated RL.

Reported Results

SDGs WV67 and WV95: Sample UP-CB-B8-20130626-W required re-extraction and results were resubmitted in a separate report, designated as SDG WV95. All results from SDG WV67 were flagged do-not-report (DNR-11) in favor of the re-extracted analyses in SDG WV95.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and LCS/LCSD recoveries and precision was acceptable as demonstrated by the RPD values for the LCS/LCSD and field duplicate analyses.

Data were estimated based on LCS/LCSD recovery outliers. One reporting limit was elevated based on non-target background interference. Data were flagged as do-not-report (DNR) to indicate which data should not be used from multiple reported analyses. A usable result remains for all analytes in all samples; therefore completeness is unaffected.

Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
Pesticides by Method 8081B

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

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 4
WK49	1 Sediment	EPA Stage 4
WL49	2 Sediment	EPA Stage 4
WL67	2 Sediment	EPA Stage 4
WM28	5 Sediment	EPA Stage 4
WN27	1 Sediment	EPA Stage 4
WN31	1 Sediment	EPA Stage 4
WR99	3 Sediment	EPA Stage 4
WS21	1 Sediment	EPA Stage 4
WS91	1 Sediment	EPA Stage 4
WT81	3 Sediment	EPA Stage 4
WU70	2 Sediment	EPA Stage 4
WY32	2 Sediment	EPA Stage 4

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 WJ10: The analyte methoxychlor was not reported in the original data package. The laboratory was contacted and results for this analyte were submitted.

SDG WL67: The laboratory did not submit the performance evaluation mixture (PEM) breakdown summary sheet with this data package. The summaries were pulled from **SDG WL49**.

SDG WR99: The laboratory did not provide a toxaphene CCAL summary form. The raw data was used.

SDG WS21: The laboratory did not submit a copy of the log book page documenting the analytical sample run. The log book page from **SDG WR99** included the run from this SDG.

SDG WS91: The laboratory did not submit a copy of the log book page documenting the analytical sample run. The log book page from **SDG WR99** included the run from this SDG.

SDG WT81: The laboratory did not submit the sample result summary form for the 100x dilution of Sample AM-SF4-EFF-20130612-S. The raw data was used.

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.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	Initial Calibration (ICAL)	✓	Target Analyte list
2	Continuing Calibration (CCAL)	2	Reporting Limits
✓	Laboratory Blanks	1	Compound Identification
1	Field Blanks	2	Reported Results
1	Surrogate Compounds	1	Endrin/DDT Breakdown
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification
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 several sample coolers with temperatures outside control limits, the highest at 17.6°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. The reported analytical results were not affected by the elevated temperatures, and no action was taken based on the temperature outliers.

Continuing Calibration

The continuing calibration (CCAL) percent difference (%D) values were within the ±20% control limit, with the exceptions noted below.

SDG WJ10: For the two CCALs analyzed on 4/09/13 (at 19:12 and 19:30), the %D values for several compounds indicated a potential low bias on both columns. Results were reported from the primary column. The outliers from the primary column are listed in the table below; results in the associated samples were estimated (UJ-5BL).

Date (Time)	Analyte	Bias
4/9/13 (19:12)	beta-BHC	Low
	gamma-BHC (Lindane)	
	heptachlor	
	endrin	
	endosulfan II	
	endosulfan sulfate	
	4,4-DDT	
	methoxychlor	
4/9/13 (19:12)	endrin ketone	Low
	endrin aldehyde	
4/9/13 (19:30)	toxaphene	Low

For the three CCALs analyzed on 4/10/13 at 16:46, 17:04, and 20:02 the %D values indicated a potential high bias on both columns. There were no positive results in the associated samples; no data were qualified.

SDG WK49: For the CCAL analyzed on 4/17/13 at 17:16, the %D values for several compounds indicated a potential low bias on the secondary column. However, all results were reported from the primary column, no action was necessary.

For the CCAL analyzed at 19:30, the %D value for several of the toxaphene peaks indicated a potential low bias on both columns. Results were reported from the primary column. The toxaphene result in Sample GR-MH-03-20130404-S was estimated (UJ-5BL).

SDGs WL49 and WL67: For the CCAL analyzed on 4/24/13 at 17:49, the %D values for four analytes indicated a potential low bias on the primary column. Results were reported from the primary column. The results for these compounds in both samples were estimated (UJ-5BL):

heptachlor,	methoxychlor
4,4'-DDT	endrin ketone

For the CCAL analyzed on 4/24/13 at 18:07, the %D values for all toxaphene peaks indicated a potential low bias on both columns. Results were reported from the primary column. The toxaphene results in the associated samples were estimated (UJ-5BL).

SDG WM28: For the CCAL analyzed on 05/02/13 at 05:25, the %D values for four analytes indicated a potential low bias on the primary column. Results were reported from the primary column. The associated results for these compounds in the samples were estimated (UJ-5BL):

heptachlor	methoxychlor
4,4'-DDT	endrin ketone

For the CCAL analyzed on 5/2/13 at 05:43, the %D value for all toxaphene peaks indicated a potential low bias on both columns. Results were reported from the primary column. The toxaphene result in all samples were estimated (UJ-5BL).

SDGs WN27 and WN31: For the CCAL analyzed on 05/08/13 at 01:53, the %D values for methoxychlor indicated a potential low bias on the secondary column. However, all results were reported from the primary column, no data were qualified.

For the CCAL analyzed on 05/08/13 at 02:11, the average %D value for toxaphene for all peaks exceeded criteria and indicated a potential high bias on the primary column. There were no positive results in the associated samples; no data were qualified for this outlier.

For the CCAL analyzed on 5/08/13 at 06:20, the %D values for several compounds indicated a potential low bias on both columns. Results were reported from the primary column. The outliers from the primary column are listed in the table below; results in the associated samples were estimated (UJ-5BL).

Date (Time)	Analyte	Bias
05/08/13 (06:20)	heptachlor	Low
	endrin	
	4,4'-DDD	
	endosulfan sulfate	
	4,4-DDT	
	methoxychlor	
	endrin ketone	
	endrin aldehyde	

Due to instrument failure, a closing CCAL for toxaphene was not generated. The toxaphene result in the associated sample was estimated (UJ-5B).

SDG WS91: For the CCALs analyzed on 6/18/13 at 16:06 and 19:04, the %D values indicated a potential high bias on the primary column. Results were reported from the primary column. The outliers from the primary column are listed in the table below. There were no positive results in the associated samples; no data were qualified.

Date (Time)	Analyte
6/18/13 (16:06)	gamma-BHC (lindane)
6/18/13 (19:04)	endrin

For the toxaphene CCAL analyzed on 6/18/13 at 19:22, the average %D value for all peaks indicated a potential low bias on both columns. Results were reported from the primary column. The toxaphene result in the associated sample was estimated (UJ-5BL).

SDG WT81: For the CCAL analyzed on 06/27/13 at 19:45, the %D values for several analytes indicated a potential low bias on the secondary column. However, all results were reported from the primary column, no data were qualified.

SDG WY32: For the CCAL analyzed on 8/15/13 at 00:12 the %D values for three analytes indicated a potential low bias on the primary column. Results were reported from the primary column. The associated results for these analytes in the samples were estimated (UJ-5BL):

endosulfan I
dieldrin
alpha-chlordane

Field Blanks

No field blanks were submitted.

Surrogates

SDG WJ10: The percent recovery (%R) values for the surrogate decachlorobiphenyl were not reported for some of the field samples and the matrix spike/matrix spike duplicate (MS/MSD) due to matrix interference. No data were qualified based on the missing %R values. In the MS, the %R value for the surrogate tetrachlorometaxylene was greater than the upper control limit. No qualifiers are applied to QC samples.

In the 50x dilution of Sample SD-SP-01-20130326-S, the %R values for both surrogates were not reported due to the dilution. Since all target analytes were reported from the original results, no action was necessary.

SDGs WL49, WL67, WM28, WN27 and WN31: In the dilution (200x or 500x) analyses of the samples, the %R values for both surrogates were not reported due to the dilution. Since all target analytes were reported from the original results, no action was necessary.

SDG WS91: The %R value for the surrogate decachlorobiphenyl was not reported due to matrix interference. No data were qualified for this single outlier.

SDG WT81: The %R values for both surrogates were not reported due to dilution (100x). No further action was taken.

Laboratory Control Sample/Laboratory Control Sample Duplicate

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 recoveries greater than the upper control limit, only the 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.

SDG WL67: No LCSD analyses was performed with this data set. There was no measure of laboratory precision submitted with this data package.

SDGs WN27 and WN31: The LCSD %R values for the five analytes listed below were less than the lower control limit; however, the LCS %R values were acceptable. No data were qualified for these single outliers.

heptachlor
endrin
4,4'-DDT
methoxychlor
cis-chlordane

The relative percent difference (RPD) values for the four analytes listed below were outside the control limit. These analytes were not detected in the associated sample; no data were qualified.

heptachlor	methoxychlor
endrin	4,4'-DDT

SDG WS21: No LCSD was analyzed with this analytical batch. There was no measure of laboratory precision.

SDG WS91: The LCSD %R values for 4,4´-DDD and delta-BHC were less than the lower control limit; the LCS %R values were acceptable. No data were qualified for these single outliers.

SDG WT81: The LCS %R values for the analytes listed below were less than the lower control limit. The results in the associated samples were estimated (UJ-10L).

delta-BHC	alpha-BHC	heptachlor	4,4'-DDD
hexachlorobenzene	aldrin	gamma-BHC (Lindane)	cis-Chlordane

SDG WU70: The LCS %R values for the analytes listed below were less than the lower control limit. The results in the associated samples were estimated (UJ-10L).

4,4'-DDD	cis-chlordane
alpha-BHC	delta-BHC

Matrix Spike/Matrix Spike Duplicates (MS/MSD)

MS/MSD samples were analyzed at the proper frequency. For MS/MSD %R values 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. 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.

The following outliers resulted in qualification of data:

SDG WJ10: The MS/MSD analyses were performed using Sample SD-SP-01-20130326-S. Due to matrix interferences the MS/MSD could not be accurately quantitated. The reported %R and RPD values were outside of control limits for most analytes. Due to the interference, all results in the parent sample were reported as non-detects with elevated detection limits. These results were estimated (UJ-14) to reflect the severity of the interferences.

SDG WK49: The MS/MSD analyses were performed using Sample GR-MH-03-20130404-S. Due to matrix interferences the MS/MSD could not be accurately quantitated. The reported %R and RPD values were outside of control limits for most analytes. Due to the interference, all results in the parent sample were reported as non-detects with elevated detection limits. These results were estimated (UJ-14) to reflect the severity of the interferences.

SDG WL49: The MS/MSD analyses were performed using Sample IM-CB-02-20130410-S. The %R values for methoxychlor and dieldrin were less than the lower control limit, indicating a potential low bias. This analyte was not detected in the parent sample; the result for this analyte was estimated (UJ-8L) in the parent sample.

No data were qualified for the following single outliers. The MS outliers indicated a potential low bias and the MSD outliers indicated a potential high bias.

MS %R Outliers, MSD %R ok	MSD %R Outliers, MS %R ok
alpha-BHC	beta-BHC
delta-BHC	heptachlor
gamma-BHC	
endrin	
endrin aldehyde	

The RPD values for beta-BHC, delta-BHC, and heptachlor were greater than the control limit. These analytes were not detected in the parent sample; no data were qualified.

SDGs WL67, WN31, and WS21: No MS/MSD analyses were performed with this data set.

SDG WM28: The MS/MSD analyses were performed using Sample NS-CB-421-20130416-S. The MS or MSD %R values for five analytes were outside control limits; no data were qualified for these single outliers.

MS %R Outliers, MSD %R ok	MSD %R Outliers, MS %R ok
heptachlor epoxide	gamma-BHC (Lindane)
	endrin
	endosulfan sulfate
	4,4´-DDT

Also, the %R values for five analytes exceeded the upper control limit in both analyses. These analytes were not detected in the parent sample; no data were qualified.

alpha-bhc
delta-bhc
aldrin
hexachlorobenzene
hexachlorobutadiene

The RPD value for endosulfan sulfate exceeded the upper control limit. This analyte was not detected in the parent sample, no data were qualified.

SDG WN27: The MS/MSD analyses were performed using Sample CG-MH-010-20130423-S. The MS %R value for dieldrin and endosulfan II were greater than the upper control limits; the MSD %R values were acceptable. No data were qualified for these single outliers.

The %R values for the analytes listed below were greater than the upper control limit. These analytes were not detected in the parent sample, no data were qualified.

aldrin	endrin ketone
alpha-BHC	heptachlor epoxide
beta-BHC	hexachlorobenzene
cis-chlordane	hexachlorobutadiene
delta-BHC	trans-chlordane

The RPD value for delta-BHC exceeded the upper control limit. This compound was not detected in the parent sample, no data were qualified.

SDG WR99: The MS/MSD analyses were performed using Sample KC-VT-1593-20130530-S. The %R values for delta-BHC and methoxychlor were less than the lower control limits, indicating a potential low bias. These analytes were not detected in the parent sample; results for these analytes were estimated (UJ-8L) in the parent sample. The MS %R values were greater than the upper control limits and the MSD %R values were less than the lower control limits for endrin and 4,4´-DDT; results for these analytes were estimated (UJ-8) in the parent sample.

The MS or MSD %R values for the following analytes were outside control limits; no data were qualified for these single outliers.

4,4'-DDD	alpha-BHC	cis-chlordane	endrin aldehyde
aldrin	beta-BHC	endosulfan sulfate	endrin ketone

The RPD values for 4,4´-DDT, endosulfan sulfate, endrin ketone, and methoxychlor were greater than the control limit. These analytes were not detected in the parent sample; no data were qualified.

SDG WS91: The MS/MSD analyses were performed using Sample CL-MH-SPS-20130605-S. The %R values for the analytes listed below were less than the lower control limit, indicating a potential low bias. The analytes were not detected in the parent sample; the results for these analytes were estimated (UJ-8L) in the parent sample.

4,4'-DDD	delta-BHC
alpha-BHC	endosulfan sulfate
cis-chlordane	heptachlor

The MS or MSD %R values for the following analytes were outside control limits; no data were qualified for these single outliers.

endrin aldehyde	heptachlor epoxide
gamma-BHC (Lindane)	hexachlorobutadiene

The RPD values for 4-4'-DDD and endrin aldehyde were greater than the control limit. These analytes were not detected in the parent sample; no data were qualified.

SDG WT81: The MS/MSD analyses were performed using Sample AM-FD-01-20130612-S. The %R values for endrin and methoxychlor were less than the lower control limit, indicating a potential low bias. These analytes were not detected in the parent sample; the results for these analytes were estimated (UJ-8L) in the parent sample.

The MS or MSD %R values for the following analytes were outside control limits; no data were qualified for these single outliers.

4,4'-DDT	endrin ketone
cis-Chlordane	dieldrin

The %R values for the analytes listed below were greater than the upper control limit. The analytes were not detected in the parent sample, no data were qualified.

4,4'-DDE	beta-BHC	endosulfan II	heptachlor epoxide
aldrin	delta-BHC	endosulfan sulfate	hexachlorobenzene
alpha-BHC	endosulfan I	gamma-BHC (lindane)	trans-chlordane

The RPD value for endrin ketone was greater than the control limit. The analyte was not detected in the parent sample; no data were qualified.

SDG WU70: The MS/MSD analyses were performed using Sample LF-TP-001-20130619-S. The MS/MSD %R values for the analytes listed below were less than the lower control limit, indicating a potential low bias. The analytes were not detected in the parent sample; the results for these analytes were estimated (UJ-8L) in the parent sample.

4,4´-DDD	cis-chlordane	dieldrin	methoxychlor
aldrin	delta-BHC	endosulfan sulfate	trans-chlordane

The MS or MSD %R values for the following analytes were outside control limits; no data were qualified for these single outliers.

4,4'-DDT	endrin aldehyde
beta-BHC	gamma-BHC (lindane)
endosulfan II	heptachlor

The RPD values for heptachlor and methoxychlor were greater than the control limit. These analytes were not detected in the parent sample; no data were qualified.

SDG WY32: The MS/MSD analyses were performed using Sample UP-CB-A6-20130626-S. The %R values for endrin and endrin aldehyde were less than the lower control limit, indicating a potential low bias. These analytes were not detected in the parent sample; the results for these analytes were estimated (UJ-8L) in the parent sample.

The MS or MSD %R values for the following analytes were outside control limits; no data were qualified for these single outliers.

4,4'-DDT	methoxychlor

Field Duplicates

The following acceptance criteria were used to evaluate precision: the RPD control limit is 50% for results greater than five times (5x) the reporting limit (RL). The difference between the sample and replicate must be less than 2x the RL for results less than 5x the RL.

SDG WM28: One set of field duplicates, NS-CB-547-20130416-S & NS-FD-001-20130416-S, was submitted. No target analytes were detected in either sample; field precision was acceptable.

SDG WT81: One set of field duplicates, AM-SF4-EFF-20130612-S & AM-FD-01-20130612-S, was submitted. No target analytes were detected in either sample; field precision was acceptable.

Reporting Limits

Several chromatograms indicated non-target background interference. The reporting limits (RL) for these analytes were flagged "Y" by the laboratory. These "Y" flagged results were qualified (U-22) to indicate that the results were not-detected at elevated RLs. The following results were qualified:

SDG WJ10: Sample SD-SP-01-20130326-S: cis-chlordane and endosulfan sulfate.

SDG WK49: Sample GR-MH-03-20130404-S: heptachlor, heptachlor epoxide, endrin, and 4,4´-DDT.

SDG WL49: Sample IM-CB-01-20130410-S

delta-BHC	4,4´-DDE	endrin ketone
gamma-BHC	4,4´-DDD	endrin aldehyde
heptachlor	4,4´-DDT	trans-chlordane
aldrin	endosulfan sulfate	cis-chlordane
dieldrin	methoxychlor	hexachlorobenzene

SDG WL67: Sample GR-CB-07-20130411-S

beta-BHC	aldrin	endrin ketone
gamma-BHC	4,4´-DDE	methoxychlor
heptachlor	4,4´-DDT	heptachlor epoxide

Sample GR-WS-05-20130411-S

beta-BHC	4,4´-DDE
heptachlor	4,4´-DDT
heptachlor epoxide	endrin
aldrin	endrin ketone

SDG WM28: Sample NS-MH-536-20130416-S: beta-BHC.

SDG WN31: Sample ES-TS-INF-20130424-S: beta-BHC, heptachlor epoxide, 4,4´-DDE.

SDG WR99: Sample KC-CB-01-20130530-S.

4,4´-DDE	endosulfan II
4,4´-DDT	endrin
dieldrin	heptachlor epoxide

Sample KC-DD-2009-20130530-S.

4,4´-DDE	endrin
4,4´-DDT	endrin aldehyde
dieldrin	endrin ketone
endosulfan I	heptachlor epoxide
endosulfan II	trans-chlordane

In addition, due to interference, several of the reporting limits for Sample KC-DD-2009-20130530-S were elevated to levels that exceeded the linear range of the instrument and were flagged "E" by the laboratory. No further action was taken.

SDG WS21: Sample KC-IV-SPS-20130531-S was analyzed at dilution (5x); RL were elevated in this sample.

SDG WS91: Sample CL-MH-SPS-20130605-S.

4,4´-DDT	endrin
beta-BHC	endrin ketone
endosulfan sulfate	trans-chlordane

SDG WY32: Sample UP-CB-B8-20130626-S

4,4´-DDD	beta-BHC	endosulfan I	heptachlor
4,4´-DDE	cis-chlordane	endrin	heptachlor epoxide
4,4´-DDT	delta-BHC	endrin ketone	hexachlorobenzene
aldrin	dieldrin	gamma-BHC (Lindane)	trans-Chlordane

Sample UP-MHF-165-20130626-S: delta-BHC.

Sample UP-CB-A6-20130626-S

aldrin	gamma-BHC (Lindane)
beta-BHC	heptachlor
delta-BHC	heptachlor epoxide
dieldrin	hexachlorobenzene
endosulfan II	trans-Chlordane
endrin ketone	

All samples were analyzed at dilution (5x to 500x) due to matrix interferences and/or DDT/endrin breakdown failures. Reporting limits were elevated accordingly and did not meet the target reporting limit as specified in the SAP.

Compound Identification

SDGs WL49, WM28, WN31, WS91, WT81, WU70, and WY32: Due to matrix interferences and/or dilutions, several analytes in the MS/MSD and/or LCS were flagged "P" by the laboratory, indicating the RPD value between the two analytical columns was greater than the control limit. No data were qualified based on P flags for these QC samples.

SDG WR99: Due to matrix interferences and dilutions, several analytes in Sample KC-DD-2009-20130530-S and in the MS/MSD and were flagged "P" by the laboratory. There were no detected results in the field sample, no data were qualified. Qualifiers are not issued to QC samples; no action was taken.

Reported Results

SDG WJ10: Sample SD-SP-01-20130326-S was analyzed at dilution (5x and 50x) due to matrix interference. No target analytes were reported in either analysis. All results from the 50x dilution were flagged do-not-report (DNR-11) in favor of results from the 5x analysis.

SDGs WL49 and WL67: Both samples was analyzed at dilution (10x and 500x) due to matrix interference. No target analytes were reported in either analysis. All results from the 500x dilution were flagged do-not-report (DNR-11) in favor of results from the 10x analysis.

SDGs WM28, WN27, and WN31: The samples were analyzed at dilution (10x and 200x) due to matrix interference. No target analytes were reported in either analysis. All results from the 200x dilution were flagged do-not-report (DNR-11) in favor of results from the 10x analysis.

SDG WT81: The samples were analyzed at dilution (5x and 100x) due to matrix interference. No target analytes were reported in either analysis. Since the analytical run from the 5x samples resulted in excessive QC outliers, all results from the 5x dilution were flagged do-not-report (DNR-11) in favor of results from the 100x analysis.

Endrin/DDT Breakdown

SDG WJ10: The performance evaluation mixture (PEM) analyzed on 4/9/2013 at 18:54 had a combined breakdown outlier for DDT and endrin, which exceeded the criteria, at 94.7%. There were no positive results in the associated samples; no data were qualified.

SDGs WL49 and WL67: The PEM analyzed on 4/24/2013 at 17:31 had a breakdown outlier for DDT, with a combined breakdown of 77.2%, which exceeded the criteria. There were no positive results in the associated samples; no data were qualified.

SDG WM28: The PEM analyzed on 05/2/2013 at 05:08 had a breakdown outlier for DDT, with a combined breakdown of 66.9%, which exceeded the criteria. There were no positive results in the associated samples; no data were qualified.

SDGs WN27 and WN31: The PEM analyzed on 05/08/2013 at 06:02 had a combined breakdown outlier for DDT and endrin, which exceeded the criteria, at 88.6%. There were no positive results in the associated samples; no data were qualified.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) recoveries. Precision was acceptable as demonstrated by the RPD values for the LCS/LCSD, MS/MSD, and field duplicate analyses.

Reporting limits were elevated based on non-target background interference. Data were estimated based on CCAL %D outliers and LCS/LCSD and MS/MSD accuracy outliers.

Data were flagged as do-not-report (DNR) to indicate which results should not be used from multiple reported analyses. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	DV Level
WJ10	2 Sediment	EPA Stage 4
WK49	1 Sediment	EPA Stage 4
WL49	1 Sediment	EPA Stage 4
WM28	1 Sediment	EPA Stage 4
WN27	1 Sediment	EPA Stage 4
WN31	1 Sediment	EPA Stage 4
WR99	1 Sediment	EPA Stage 4
WS21	1 Sediment	EPA Stage 4
WS91	1 Sediment	EPA Stage 4
WT81	3 Sediment	EPA Stage 4
WU70	2 Sediment	EPA Stage 4
WY32	1 Sediment	EPA Stage 4

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:

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

✓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 several sample coolers with temperatures outside control limits, the highest at 17.6°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.

Calibration Verification

SDG WK49: The percent difference (%D) value for $^{13}C_{12}$-OCDD (CVER analyzed 4/16/13 at 16:30) was outside of the control limits of ±30% and indicated a decrease in instrument response. The %D value for $^{13}C_{12}$-2,3,4,7,8-PeCDF (4/18/13 19:38) was outside the control limit of ±30% and indicated an increase in instrument response. No qualifiers were applied for labeled compound %D outliers.

SDG WL49: The %D value for $^{13}C_{12}$-OCDD (4/16/13 16:30) was outside of the control limits of ±30% and indicated a decrease in instrument response. No qualifiers were applied for labeled compound %D outliers.

SDGs WN27 and WN31: The %D value for $^{13}C_{12}$-2,3,4,7,8-PeCDF (5/8/13 01:16) was outside of the control limits of ±30% and indicated a decrease in instrument response. No qualifiers were applied for labeled compound %D outliers.

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 most method blanks, only the following resulted in qualification of data:

SDG WS21: Sample KC-IV-SPS-20130531-S: 1,2,3,4,7,8-HxCDF (U-7)

Field Blanks

No field blanks were submitted.

Labeled Compound Recovery

SDG WT81: The percent recovery (%R) for the labeled compound $^{13}C_{12}$-2,3,7,8-TCDF in Sample AM-SF4-EFF-20130612-S was less than the lower control limit, at 17.9%. The 2,3,7,8-TCDF result for this sample was estimated (J-13L) to indicate a potential low bias.

Ongoing Precision and Recovery

SDG WM28: The ongoing precision and recovery (OPR) standard percent recovery (%R) value for 1,2,3,4,6,7,8-HpCDF was greater than the upper control limit in OPR-042213 and was indicative of a potential high bias. The 1,2,3,4,6,7,8-HpCDF result in the associated sample was estimated (J-10H).

SDG WS91: The %R value for 1,2,3,4,6,7,8-HpCDF was greater than the upper control limit in OPR-061913. The 1,2,3,4,6,7,8-HpCDF result in the associated sample was estimated (J-10H) to indicate a potential high bias.

SDG WT81: The %R value for 1,2,3,4,6,7,8-HpCDF was greater than the upper control limit in OPR-061913. The 1,2,3,4,6,7,8-HpCDF results in the associated samples were estimated (J-10H).

SDG WU70: The %R value for 1,2,3,4,6,7,8-HpCDF was greater than the upper control limit in OPR-062713. The 1,2,3,4,6,7,8-HpCDF results in the associated samples were estimated (J-10H).

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 WT81: One set of field duplicates, AM-SF4-EFF-20130612-S and AM-FD-01-20130612-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	SDG	Sample ID
WJ10	SD-SP-01-20130326-S	WT81	AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S
WL49	IM-CB-01-20130410-S	WY32	UP-CB-B8-20130626-S
WN31	ES-TS-INF-20130424-S		

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 did not perform a second column confirmation; however the laboratory uses an RTX-Dioxin2 column. This column provides adequate resolution of the TCDF isomers as indicated by the acceptable peak to valley ratios. Since the 2,3,7,8-TCDF resolution was acceptable, no action was necessary.

The laboratory assigned an "EMPC" flag to one or more analytes to indicate that the ion ratio criterion for positive identification was not met. Since the ion abundance ratio is the primary identification criterion for high resolution mass spectroscopy, an outlier indicates that the reported result may be a false positive. These "EMPC" flagged results were qualified as not detected (U-25) at the reported concentration. The "EMPC" flagged results for total homolog groups were estimated (J-25).

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

SDG	Sample ID	Analyte	Qualifier
WJ10	SD-SP01-20130326-S	1,2,3,7,8-PeCDF	J-23H
WM28	NS-CB-421-20130416-S	1,2,3,7,8-PeCDF	J-23H
WN27	CG-MH-010-20130423-S	1,2,3,4,7,8-HxCDF 1,2,3,7,8-PeCDF 2,3,4,6,7,8-HxCDF	J-23H
WN31	ES-TS-INF-20130424-S	1,2,3,7,8-PeCDF	J-23H
WU70	LF-TP-001-20130619-S	1,2,3,7,8-PeCDF	J-23H
WY32	UP-CB-B8-20130626-S	1,2,3,7,8-PeCDF	J-23H

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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, ongoing precision and recovery accuracy outliers, labeled compound recovery outliers, and because the calibrated linear range was exceeded. Data were qualified as not detected based on method blank contamination.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
PCB Congeners by EPA Method 1668B

This report documents the review of analytical data from the analysis of water samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by SGS-Analytical Perspectives, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
A5781	15 Water 1 Rinsate Blank	EPA Stage 4

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	✓	Ongoing Precision and Recovery (OPR)
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Calibration Verification (CVER)	✓	Target Analyte List
2	Laboratory Blanks	**1**	Reporting Limits
2	Field Blanks	2	Compound Identification
2	Labeled Compound Recovery	✓	Compound Quantitation
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	**1**	Calculation Verification

✓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.

Method Blank	Analyte
MB1 11228	PCB 08
	PCB 11
	PCB 44
	PCB 51
	PCB 68
	PCB 209
MB1 11231	PCB 11
	PCB 51
	PCB 209

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).

One rinsate blank was submitted: Sample QC-EB-01-20130419-W. After qualification due to method blank contamination, positive results remained for PCB 52, PCB 90, PCB 110, PCB 129, and PCB 153. Results for the following congeners were qualified as not detected (U-6).

Analyte	Qualified Samples
PCB 52	ES-MH-001-20130424-W KC-VT-1593-20130530-W CL-VT-EFF-20130605-W
PCB 90	ES-MH-001-20130424-W KC-VT-1593-20130530-W
PCB 110	ES-MH-001-20130424-W KC-VT-1593-20130530-W
PCB 129	GR-MH-01-20130404-W KC-VT-1593-20130530-W
PCB 153	ES-MH-001-20130424-W KC-VT-1593-20130530-W

Labeled Compound Recovery

The percent recovery (%R) value for PCB 209L in Sample SD-SP-01-20130326-W was less than the lower control limit. The result for PCB 209 was estimated (J-13L) in this sample to indicate a potential low bias.

The %R value for PCB 206L in Sample NS-MH-682-20130419-W was less than the lower control limit. The results for the associated congeners, PCB 206 and PCB 207, were estimated (J/UJ-13L) to indicate a potential low bias.

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 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.

Samples LF-TP-001-20130619-W and LF-FD-001-20130619-W were identified as field duplicates. All field precision criteria were met.

Reporting Limits

Five samples were analyzed at dilution (5x) to reduce interferences. Reporting limits were elevated accordingly. No further 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.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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. Data were estimated due to labeled compound recovery outliers. Total homolog group results that included EMPC values were also estimated.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
Total and Dissolved Metals by Method 200.8
Low Level 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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	2 Water	EPA Stage 3
WJ32	2 Water (low level Hg only)	EPA Stage 3
WK49	3 Water 1 Rinsate Blank	EPA Stage 3 EPA Stage 2A
WK51	3 Water (low level Hg only) 1 Rinsate Blank	EPA Stage 3 EPA Stage 2A
WL49	4 Water	EPA Stage 3
WL65	4 Water (low level Hg only)	EPA Stage 3
WM84	4 Water	EPA Stage 3
WM85	4 Water (low level Hg only)	EPA Stage 3
WN31	2 Water	EPA Stage 3
WN35	2 Water (low level Hg only)	EPA Stage 3
WR99	1 Water	EPA Stage 3
WS01	1 Water (low level Hg only)	EPA Stage 3
WS90	2 Water 2 Rinsate Blank	EPA Stage 3 EPA Stage 2A
WS92	2 Water (low level Hg only) 2 Rinsate Blank	EPA Stage 3 EPA Stage 2A
WU65	2 Water	EPA Stage 3
WU71	2 Water (low level Hg only)	EPA Stage 3
WY32	2 Water	EPA Stage 3
WY33	2 Water (low level Hg only)	EPA Stage 3

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. No errors were noted.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Laboratory Duplicates
✓	Initial Calibration	1	Field Duplicates
✓	Calibration Verification	✓	Interference Check Samples
1	Reporting Limit Standards	✓	Serial Dilutions
✓	Laboratory Blanks	✓	ICP-MS Internal Standards
1	Field (Equipment Rinsate) Blanks	✓	Reporting Limits
✓	Laboratory Control Samples (LCS)	2	Reported Results
2	Matrix Spikes (MS)	1	Calculation Verification

✓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. The laboratory received several sample coolers with temperatures outside control limits, the lowest at 0.8°C and the highest at 10.6°C. These temperature outliers did not impact data quality and no data were qualified.

Reporting Limit Standards

SDG WL49: The reporting limit (RL) standard recovery for dissolved arsenic was less than the lower control limit of 70%, at 55%. The dissolved arsenic results in the associated field samples were greater than 2x the reporting limit; no qualification of data was necessary.

Field Blanks

SDGs WK49 and WK51: One equipment rinsate blank, QC-EB-01-20130404-W, was submitted. No target analytes were detected in this blank.

SDGs WS90 and WS92: Two equipment rinsate blanks, QC-EB-02-20130605-W and QC-EB-03-20130605-W, were submitted with these SDGs. No target analytes were detected in these blanks.

Matrix Spikes

Matrix spikes (MS) were analyzed at the proper frequency. The recovery control limits are 80%-120%. For recoveries less than the lower control limit, results in the associated samples were estimated (J/UJ-8L) to indicate a potential low bias. If the recovery was also less than 30%, then the result from the post-digestion spike was also evaluated. 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 the native concentration in the samples was greater than four times the spike added.

QC Samples and outliers resulting in qualification are noted below:

SDG WJ10: QC Sample SD-SP-01-20130326-W: total zinc (J-8L) low bias

SDG WL49: QC Sample IM-MH-01-20130410-W: total zinc (J-8L) low bias

SDG WL65: QC Sample IM-MH-01-2013410-W: total mercury (J-8L) low bias

SDG WS90: QC Sample CL-MH-SPS-20130605-W: total antimony (J/UJ-8L) low bias

SDG WU65: QC Sample LF-TP-001-20130619-W: dissolved silver (UJ-8L) low bias

SDG WY32: QC Sample UP-CB-B8-20130626-W: total silver (UJ-8L) low bias

Laboratory Duplicates

Laboratory duplicates were analyzed at the proper frequency. 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 RL.

SDG WM84: Sample NS-OF-006-20130419-W was analyzed in duplicate. The RPD for dissolved zinc (39.9%) was greater than the control limit; the dissolved zinc results in the associated samples were estimated (J-9).

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.

SDGs WU65 and WU71: One set of field duplicates was submitted: LF-TP-001-20130619-W and LF-FD-001-20130619-W. All field precision criteria were met.

Reported Results

SDG WL49: The dissolved antimony result was greater than the total antimony result in Sample IM-SW-01-20130410-W. The results for total and dissolved antimony were estimated (J-14) in this sample.

SDG WS90: The dissolved antimony result was greater than the total antimony result in Sample CL-MH-SPS-20130605-W. The results for total and dissolved antimony were estimated (J-14) in this sample.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and matrix spike percent recovery values and precision was acceptable as demonstrated by the laboratory and field duplicate RPD values.

Data were estimated based on matrix spike recovery and laboratory duplicate RPD outliers. Data were also estimated where the dissolved metal result was greater than the corresponding total metal result.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
Metals by Method 6010C and 200.8
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 3
WK49	1 Sediment	EPA Stage 3
WL49	3 Sediment	EPA Stage 3
WL67	2 Sediment	EPA Stage 3
WM28	5 Sediments	EPA Stage 3
WN27	1 Sediment	EPA Stage 3
WN31	1 Sediment	EPA Stage 3
WR99	3 Sediment	EPA Stage 3
WS21	1 Sediment	EPA Stage 3
WS91	1 Sediment	EPA Stage 3
WT81	3 Sediment	EPA Stage 3
WU70	2 Sediment	EPA Stage 3
WW85	3 Sediment	EPA Stage 3

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. No errors were noted.

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Laboratory Duplicates
✓	Initial Calibration	1	Field Duplicates
✓	Calibration Verification	✓	Interference Check Samples
1	Reporting Limit Standards	✓	Serial Dilutions
✓	Laboratory Blanks	✓	ICP-MS Internal Standards
✓	Field (Equipment Rinsate) Blanks	✓	Reporting Limits Standards
✓	Laboratory Control Samples (LCS)	✓	Reported Results
2	Matrix Spikes (MS)	1	Calculation Verification

✓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 17.6°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 WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Reporting Limit Standards

SDGs WL49 and WL67: The reporting limit (RL) standard recovery for arsenic was less than the lower control limit of 70%, at 55%. The arsenic results in the associated field samples were greater than 2x the reporting limit; no qualification of data was necessary.

Matrix Spikes

Matrix spikes (MS) were analyzed at the proper frequency. The recovery control limits are 80%-120%. For recoveries less than the lower control limit, results in the associated samples were estimated (J/UJ-8L) to indicate a potential low bias. If the recovery was also less than 30%, then the result from the post-digestion spike was also evaluated. 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 the native concentration in the samples was greater than four times the spike added.

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

SDG WJ10: QC Sample SD-SP-01-2013326-S: antimony, chromium, copper, and lead; (J/UJ-8L) low bias

SDG WK49: QC Sample GR-MH-03-201304041-S: antimony and silver; (J/UJ-8L) low bias

SDG WL49: QC Sample IM-CB-01-20130410-S: antimony; (J/UJ-8L) low bias

SDG WL67: QC Sample GR-CB-07-20130411-S: antimony and silver; (J/UJ-8L) low bias

SDG WM28: QC Sample NS-CB-547-20130416-S: antimony and copper; (J/UJ-8L) low bias

SDG WN27: QC Sample CG-MH-010-20130423-S: antimony and chromium; (J/UJ-8L) low bias

SDG WN31: QC Sample ES-TS-INF-20130424-S: antimony; (J-8L) low bias

SDG WR99: QC Sample KC-VT-1593-20130530-S: antimony and lead; (J/UJ-8L) low bias

SDG WS91: QC Sample CL-MH-SPS-20130605-S: antimony and zinc; (J/UJ-8L) low bias

SDG WT81: QC Sample AM-VT-INF-20130612-S: antimony and silver; (J/UJ-8L) low bias

SDG WU70: QC Sample LF-TP-001-20130619-S: antimony and zinc; (J/UJ-8L) low bias

Laboratory Duplicates

Laboratory duplicates were analyzed at the proper frequency. 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.

QC Samples and outliers are noted below:

SDG WM28: Sample NS-CB-547-20130416-S was analyzed in duplicate. The RPD for mercury (56.9%) was greater than the control limit. The associated result for mercury was estimated (J-9).

SDG WN31: Sample ES-TS-INF-20130424-S was analyzed in duplicate. The RPD for cadmium (40.0%) was greater than the control limit. The associated results for cadmium were estimated (J-9).

SDG WR99: Sample KC-VT-1593-20130530-S was analyzed in duplicate. The RPD for lead (51.9%) was greater than the control limit. The associated results for lead were estimated (J-9).

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 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 WM28: One set of field duplicates was submitted: NS-CB-547-20130416-S and NS-FD-001-20130416-S. The RPD for lead was greater than the control limit.

SDG WT81: One set of field duplicates was submitted: AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

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 and matrix spike percent recovery values and precision was acceptable as demonstrated by the laboratory and field duplicate RPD values.

Data were estimated based on matrix spike recovery and laboratory duplicate RPD outliers.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Incorporated, Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
WM84	4 Water	EPA Stage 3
WJ10	1 Water	EPA Stage 3
WK49	2 Water	EPA Stage 3
WL49	2 Water	EPA Stage 3
WN31	1 Water	EPA Stage 3
WR99	1 Water	EPA Stage 3
WS90	2 Water	EPA Stage 3
WV67	1 Water	EPA Stage 3
WU65	2 Water	EPA Stage 3
WY32	2 Water	EPA Stage 3

The analytical tests that were performed are summarized below:

Parameter	Method
Anions (Cl, NO_3, SO_4)	EPA 300.0
Alkalinity	SM 2320
pH	SM 4500H
Total Suspended Solids (TSS)	SM 2540D
Total Organic Carbon (TOC)	SM 5310B
Dissolved Organic Carbon	SM 5310B
Conductivity	EPA 120.1

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 WJ10: The total organic carbon (TOC) and dissolved organic carbon (DOC) raw data was missing from the pdf. The laboratory submitted the requested documentation.

SDG WK49: The TOC and DOC raw data was unreadable in the pdf. The laboratory re-submitted a readable version.

SDGs WL49: The ion chromatography calibration curve and raw data were missing from the pdf. The laboratory submitted the requested documentation.

SDG WN31: The ion chromatography calibration curve data was missing from the pdf. The same calibration data was included in **SDG WM84**; therefore no resubmission was requested.

SDG WS90: The TOC and DOC calibration curve data was missing from the pdf. The same calibration data was included in **SDG WR99**; therefore no resubmission was requested.

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%).

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Receipt, Preservation, and Holding Times	✓	Matrix Spikes (MS)
✓	Initial Calibration	✓	Laboratory Duplicates
✓	Calibration Verification	1	Field Duplicates
✓	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Reported Results
✓	Laboratory Control Samples	1	Calculation Verification (Full validation only)

✓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 17.6°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 WJ10: Sample SD-SP-01-20130326-W was analyzed for n-nitrite after the holding time expired; the sample result was estimated (J-1).

SDG WY32: Sample UP-CB-B8-20130626-W was analyzed for TOC after the holding time expired; the sample result was estimated (J-1).

Field Blanks

No field blanks were submitted.

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 WU65: One set of field duplicates was submitted: LF-TP-001-20130619-W and LF-FD-001-20130619-W. The RPD for total suspended solid (TSS) was great than the control limit.

Reporting Limits

SDG WJ10: The target reporting limits for many analytes were not met due to matrix interferences.

Reported Results

SDG WJ10: -Sample SD-SP-01-20130326-W was analyzed for n-nitrate by method 300.0 and by method 353.2; both sets of data were reported. The result for method 300.0 was not-detected at a higher reporting limit. This result was flagged do-not-report (DNR-11) in favor of the result from the other method.

SDG WL49: The DOC result was greater than TOC for sample IM-MH-01-20130410-W. The results for TOC and DOC were estimated (J-14) in this sample.

SDG WV67: Only short holding time tests were analyzed in this SDG. The other tests were submitted in **SDG WY32**.

Calculation Verification

Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

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 and matrix spike recoveries. Precision was also acceptable as demonstrated by the laboratory duplicate relative percent difference values.

Data were estimated based on exceeded holding times and where the dissolved result was greater than the corresponding total result. One result was flagged do-not-report (DNR) to indicate which result should be used form multiple reported results.

Data flagged DNR should not be used. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW NPDES Investigation
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. Analytical Resources, Inc., Tukwila, Washington, analyzed the samples. Refer to the **Sample Index** for a list of the individual samples.

SDG	Number of Samples	Validation Level
WJ10	2 Sediment	EPA Stage 3
WK49	1 Sediment	EPA Stage 3
WM28	5 Sediment	EPA Stage 3
WL49	2 Sediment	EPA Stage 3
WL67	2 Sediment	EPA Stage 3
WN27	1 Sediment	EPA Stage 3
WN31	1 Sediment	EPA Stage 3
WR99	3 Sediment	EPA Stage 3
WS21	1 Sediment	EPA Stage 3
WS91	1 Sediment	EPA Stage 3
WT81	1 Sediment	EPA Stage 3
WU70	2 Sediment	EPA Stage 3
WY32	3 Sediment	EPA Stage 3

The analytical tests that were performed are summarized below:

Parameter	Method
Grain Size	PSEP-PS
Total Solids (TS)	SM 2540G
Total Organic Carbon (TOC)	Plumb, 1981

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 WJ10: The calibration curve and raw data for TOC was missing from the pdf. The laboratory submitted the documentation upon request.

SDG WK49: The summary forms for TOC and total solids were missing for sample GR-MH-03-20130404. The laboratory submitted the documentation upon request.

SDG WR99: The calibration curve, raw data, and bench sheet for TOC were missing from the pdf. The laboratory submitted the documentation upon request.

SDG WY32: The calibration data for TOC was missing from the pdf. The laboratory submitted the documentation upon request.

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%).

III. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Matrix Spikes (MS)
✓	Initial Calibration	✓	Laboratory Replicates
✓	Calibration Verification	1	Field Duplicates
✓	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Reported Results
✓	Laboratory Control Samples	1	Calculation Verification

✓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 17.6°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 WT81: The ID for Sample AM-DUP-01-20130612-S on the COC was changed to AM-FD-01-20130612-S as per client request.

Field Blanks

No field blanks were submitted.

Matrix Spikes

SDG WM28: The matrix spike recovery for total organic carbon (TOC) was less than the lower control limit; all associated TOC results were estimated (J-8L) to indicate a potential low bias.

Field Duplicates

The field 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 5x RL, the difference between the sample and duplicate must be less than the 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 WM28: One set of field duplicates was submitted: NS-CB-547-20130416-S and NS-FD-001-20130416-S. All field precision criteria were met.

SDG WT81: One set of field duplicates was submitted: AM-SF4-EFF-20130612-S and AM-FD-01-20130612-S. The RPD values for medium silt and fine silt were greater than the control limit.

Reported Results

SDG WN31: For Sample ES-TS-INF-20130424-S, high organic material content resulted in a several negative values during the laser sedigraph grain size analysis. The coarse silt, 8-9 phi clay, and 9-10 phi clay results were estimated (J/UJ-23L) to indicate a potential low bias.

Calculation Verification

Several results were verified by recalculation from the raw data. The following error was found:

SDG WM28: For Sample NS-MH-536-20130416-S, a transcription error in the transcription of the weight retained for the "Fine Sand" fraction resulted in an error in the reported percent retained values for the Fine Sand and Very Fine Sand fractions. The values in the database were corrected as follows:

Sample ID	Fraction	Original Result	Revised result
NS-MH-536-20130416-S	Fine Sand	27.4%	29.8%
	Very Fine Sand	14.5%	12.1%

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. With the exception noted above, accuracy was acceptable as demonstrated by the laboratory control sample and matrix spike recoveries precision was acceptable as demonstrated by the laboratory replicate RPD and percent relative standard deviation (%RSD) values and the field RPD values.

Data were estimated based on matrix interference and a matrix spike recovery outlier.

All data, as qualified, are acceptable for use.

EcoChem, INC.
Environmental 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)
	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

EcoChem Validation Guidelines for Volatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6 deg. C (EcoChem PJ) (see TM-11)	1
Hold Time	Waters: 14 days preserved 7 Days: unpreserved (for aromatics) Solids: 14 Days	J(+)/UJ(-) if hold times exceeded If exceeded by > 3X HT: J(+)/R(-) (EcoChem PJ) For acid preserved samples analyzed for 2-chloro ethyl vinyl ether, refer to TM-11 for guidance.	1
Tuning	BFB Beginning of each 12 hour period Method acceptance criteria	R(+/-) all analytes in all samples associated with the tune	5A
Initial Calibration (Minimum 5 stds.)	RRF > 0.05	(EcoChem PJ, see TM-06) If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5A
	%RSD < 30%	(EcoChem PJ, see TM-06) J(+) if %RSD > 30%	5A
Continuing Calibration (Prior to each 12 hr. shift)	RRF > 0.05	(EcoChem PJ, see TM-06) If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5B
	%D <25%	(EcoChem PJ, see TM-06) If > +/-90%: J+/R- If -90% to -26%: J+ (high bias) If 26% to 90%: J+/UJ- (low bias)	5B
Method Blank	One per matrix per batch No results > CRQL	U(+) if sample (+) result is less than CRQL and less than appropriate 5X or 10X rule (raise sample value to CRQL)	7
		U(+) if sample (+) result is greater than or equal to CRQL and less than appropriate 5X and 10X rule (at reported sample value)	7
	No TICs present	R(+) TICs using 10X rule	7
Storage Blank	One per SDG <CRQL	U(+) the specific analyte(s) results in all assoc.samples using the 5x or 10x rule	7
Trip Blank	Frequency as per project QAPP	Same as method blank for positive results remaining in trip blank after method blank qualifiers are assigned	18
Field Blanks (if required in QAPP)	No results > CRQL	Apply 5X/10X rule; U(+) < action level	6
MS/MSD (recovery)	One per matrix per batch Use method acceptance criteria	Qualify parent only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% PJ if only one %R outlier	8

EcoChem Validation Guidelines for Volatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
MS/MSD (RPD)	One per matrix per batch Use method acceptance criteria	J(+) in parent sample if RPD > CL	9
LCS *low conc. H2O VOA*	One per lab batch Within method control limits	J(+) assoc. cmpd if > UCL J(+)/R(-) assoc. cmpd if < LCL J(+)/R(-) all cmpds if half are < LCL	10
LCS *regular VOA (H2O & solid)*	One per lab batch Lab or method control limits	J(+) if %R > UCL J(+)/UJ(-) if %R <LCL J(+)/R(-) if %R < 10% (EcoChem PJ)	10
LCS/LCSD *(if required)*	One set per matrix and batch of 20 samples RPD < 35%	J(+)/UJ(-) assoc. cmpd. in all samples	9
Surrogates	Added to all samples Within method control limits	J(+) if %R >UCL J(+)/UJ(-) if %R <LCL but >10% (see PJ[1]) J(+)/R(-) if <10%	13
Internal Standard (IS)	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	J(+) if > 200% J(+)/UJ(-) if < 50% J(+)/R(-) if < 25% RT>30 seconds, narrate and Notify PM	19
Field Duplicates	Use QAPP limits. If no QAPP: Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (if either result < 5X RL)	Narrate and qualify if required by project (EcoChem PJ)	9
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NJ the TIC unless: R(+) common laboratory contaminants See Technical Director for ID issues	4
Quantitation/ Identification	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	See Technical Director if outliers	14 21 (false +)

PJ[1] No action if there are 4+ surrogates and only 1 outlier.

EcoChem Validation Guidelines for Semivolatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature	4°C ±2°	J(+)/UJ(-) if greater than 6 deg. C (EcoChem PJ)	1
Holding Time	Water: 7 days from collection Soil: 14 days from collection Analysis: 40 days from extraction	Water: J(+)/UJ(-) if ext. > 7 and < 21 days J(+)/R(-) if ext > 21 days (EcoChem PJ) Solids/Wastes: J(+)/UJ(-) if ext. > 14 and < 42 days J(+)/R(-) if ext. > 42 days (EcoChem PJ) J(+)/UJ(-) if analysis >40 days	1
Tuning	DFTPP Beginning of each 12 hour period Method acceptance criteria	R(+/-) all analytes in all samples associated with the tune	5A
Initial Calibration (Minimum 5 stds.)	RRF > 0.05	(EcoChem PJ, see TM-06) If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5A
	%RSD < 30%	(EcoChem PJ, see TM-06) J(+) if %RSD > 30%	5A
Continuing Calibration (Prior to each 12 hr. shift)	RRF > 0.05	(EcoChem PJ, see TM-06) If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5B
	%D <25%	(EcoChem PJ, see TM-06) If > +/-90%: J+/R- If -90% to -26%: J+ (high bias) If 26% to 90%: J+/UJ- (low bias)	5B
Method Blank	One per matrix per batch No results > CRQL	U(+) if sample (+) result is less than CRQL and less than appropriate 5X or 10X rule (raise sample value to CRQL)	7
		U(+) if sample (+) result is greater than or equal to CRQL and less than appropriate 5X and 10X rule (at reported sample value)	7
	No TICs present	R(+) TICs using 10X rule	7
Field Blanks (Not Required)	No results > CRQL	Apply 5X/10X rule; U(+) < action level	6

EcoChem Validation Guidelines for Semivolatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
MS/MSD (recovery)	One per matrix per batch Use method acceptance criteria	Qualify parent only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% PJ if only one %R outlier	8
MS/MSD (RPD)	One per matrix per batch Use method acceptance criteria	J(+) in parent sample if RPD > CL	9
LCS low conc. H2O SVOA	One per lab batch Within method control limits	J(+) assoc. cmpd if > UCL J(+)/R(-) assoc. cmpd if < LCL J(+)/R(-) all cmpds if half are < LCL	10
LCS regular SVOA (H2O & solid)	One per lab batch Lab or method control limits	J(+) if %R > UCL J(+)/UJ(-) if %R <LCL J(+)/R(-) if %R < 10% (EcoChem PJ)	10
LCS/LCSD *(if required)*	One set per matrix and batch of 20 samples RPD < 35%	J(+)/UJ(-) assoc. cmpd. in all samples	9
Surrogates	Minimum of 3 acid and 3 base/neutral compounds Use method acceptance criteria	Do not qualify if only 1 acid and/or 1 B/N surrogate is out unless <10% J(+) if %R > UCL J(+)/UJ(-) if %R < LCL J(+)/R(-) if %R < 10%	13
Internal Standards	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	J(+) if > 200% J(+)/UJ(-) if < 50% J(+)/R(-) if < 25% RT>30 seconds, narrate and Notify PM	19
Field Duplicates	Use QAPP limits. If no QAPP: Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (for results < 5X RL)	Narrate and qualify if required by project (EcoChem PJ)	9
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NJ the TIC unless: R(+) common laboratory contaminants See Technical Director for ID issues	4
Quantitation/ Identification	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	See Technical Director if outliers	14 21 (false +)

EcoChem Validation Guidelines for Pesticides, PCBs, Herbicides, and Phenol by GC/ECD (Based on Organic NFG 1999 & EPA SW-846 Methods 8081/8082/8041/8151)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature	4°C ±2°	J(+)/UJ(-) if greater than 6 deg. C (EcoChem PJ)	1
Holding Time	Water: 7 days from collection Soil: 14 days from collection Analysis: 40 days from extraction	J(+)/UJ(-) if ext/analyzed > HT J(+)/R(-) if ext/analyzed > 3X HT (EcoChem PJ)	1
Resolution Check	Beginning of ICAL Sequence Within RTW Resolution >90%	Narrate (Use Professional Judgement to qualify)	14
Instrument Performance (Breakdown)	DDT Breakdown: < 20% Endrin Breakdown: <20% Combined Breakdown: <30% Compounds within RTW	J(+) DDT NJ(+) DDD and/or DDE R(-) DDT - If (+) for either DDE or DDD J(+) Endrin NJ(+) EK and/or EA R(-) Endrin - If (+) for either EK or EA	5A
Retention Times	Surrogates: TCX (+/- 0.05); DCB (+/- 0.10) Target compounds: elute before heptachlor epoxide (+/- 0.05) elute after heptachlor epoxide (+/- 0.07)	NJ(+)/R(-) results for analytes with RT shifts For full DV, use PJ based on examination of raw data	5B
Initial Calibration	Pesticides: Low=CRQL, Mid=4X, High=16X Multiresponse - one point Calibration %RSD<20% %RSD<30% for surr; two comp. may exceed if <30% Resolution in Mix A and Mix B >90%	J(+)/UJ(-)	5A
Continuing Calibration	Alternating PEM standard and INDA/INDB standards every 12 hours (each preceeded by an inst. Blank) %D < 25% Resolution >90% in IND mixes; 100% for PEM	J(+)/UJ(-) J(+)R(-) if %D > 90% PJ for resolution	5B
Method Blank	One per matrix per batch No results > CRQL	U(+) if sample result is < CRQL and < 5X rule (raise sample value to CRQL) U(+) if sample result is > or equal to CRQL and < 5X rule (at reported sample value)	7
Instrument Blanks	Analyzed at the beginning of every 12 hour sequence No analyte > 1/2 CRQL	Same as Method Blank	7
Field Blanks	Not addressed by NFG No results > CRQL	Apply 5X rule; U(+) < action level	6

EcoChem Validation Guidelines for Pesticides, PCBs, Herbicides, and Phenol by GC/ECD (Based on Organic NFG 1999 & EPA SW-846 Methods 8081/8082/8041/8151)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
MS/MSD (recovery)	One set per matrix per batch Method Acceptance Criteria	Qualify parent only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% PJ if only one %R outlier	8
MS/MSD (RPD)	One set per matrix per batch Method Acceptance Criteria	J(+) in parent sample if RPD > CL	9
LCS	One per SDG Method Acceptance Criteria	J(+) if %R > UCL J(+)/UJ(-) if %R < LCL J(+)/R(-) using PJ if %R <<LCL (< 10%)	10
LCS/LCSD *(if required)*	One set per matrix and batch of 20 samples RPD < 35%	J(+)/UJ(-) assoc. cmpd. in all samples	9
Surrogates	TCX and DCB added to every sample %R = 30-150%	J(+)/UJ(-) if both %R = 10 - 60% J(+) if both >150% J(+)/R(-) if any %R <10%	13
Quantitation/ Identification	Quantitated using ICAL calibration factor (CF) RPD between columns <40%	J(+) if RPD = 40 - 60% NJ(+) if RPD >60% EcoChem PJ - See TM-08	3
Two analyses for one sample	Report only one result per analyte	"DNR" results that should not be used to avoid reporting two results for one sample	11
Sample Clean-up	GPC required for soil samples Florisil required for all samples Sulfur is optional Clean-up standard check %R within CLP limits	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL	14
Field Duplicates	Use QAPP limits. If no QAPP: Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (for results < 5X RL)	Narrate (Qualifiy if required by project QAPP)	9

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

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 Dioxin/Furan Analysis by HRMS
(Based on EPA Reg. 10 SOP, Rev. 2, 1996 & EPA SW-846, Methods 1613b and 8290)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler/Storage Temperature	Waters/Solids < 4°C Tissues <-10°C	EcoChem PJ, see TM-05	1
Holding Time	Extraction - Water: 30 days from collection *Note:* Under CWA, SDWA, and RCRA the HT for H2O is 7 days* Extraction - Soil: 30 days from collection Analysis: 40 days from extraction	J(+)/UJ(-) if ext > 30 days J(+)/UJ(-) if analysis > 40 Days EcoChem PJ, see TM-05	1
Mass Resolution	>=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	R(+/-) if not met	14
Window Defining Mix and Column Performance Mix	Window defining mixture/Isomer specificity std run before ICAL and CCAL Valley < 25% (valley = (x/y)*100%) x = ht. of TCDD y = baseline to bottom of valley For all isomers eluting near 2378-TCDD/TCDF isomers (TCDD only for 8290)	J(+) if valley > 25%	5A (ICAL) 5B (CCAL
Initial Calibration	Minimum of five standards %RSD < 20% for native compounds %RSD <30% for labeled compounds (%RSD <35% for labeled compounds under 1613b)	J(+) natives if %RSD > 20%	5A
	Abs. RT of $^{13}C_{12}$-1234-TCDD >25 min on DB5 >15 min on DB-225	EcoChem PJ, see TM-05	
	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	EcoChem PJ, see TM-05	
	S/N ratio > 10 for all native and labeled compounds in CS1 std.	If <10, elevate Det. Limit or R(-)	

EcoChem Validation Guidelines for Dioxin/Furan Analysis by HRMS
(Based on EPA Reg. 10 SOP, Rev. 2, 1996 & EPA SW-846, Methods 1613b and 8290)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Continuing Calibration	Analyzed at the start and end of each 12 hour shift. %D+/-20% for native compounds %D +/-30% for labeled compounds (Must meet limits in Table 6, Method 1613B) (If %Ds in the closing CCAL are w/in 25%/35% the avg RF from the two CCAL may be used to calculate samples per Method 8290, Section 8.3.2.4)	Do not qualify labeled compounds. Narrate in report for labeled compound %D outliers. For native compound %D outliers: 8290: J(+)/UJ(-) if %D = 20% - 75% J(+)/R(-) if %D > 75% 1613: J(+)/UJ(-) if %D is outside Table 6 limits J(+)/R(-) if %D is +/- 75% of Table 6 limit	5B
	Abs. RT of $^{13}C_{12}$-1234-TCDD and $^{13}C12$-123789-HxCDD +/- 15 sec of ICAL.	EcoChem PJ, see ICAL section of TM-05	
	RRT of all other compounds must meet Table 2 of 1613B.	EcoChem PJ, see TM-05	
	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	EcoChem PJ, see TM-05	
	S/N ratio > 10	If <10, elevate Det. Limit or R(-)	
Method Blank	One per matrix per batch No positive results	If sample result <5X action level, qualify U at reported value.	7
Field Blanks (Not Required)	No positive results	If sample result <5X action level, qualify U at reported value.	6
LCS / OPR	Concentrations must meet limits in Table 6, Method 1613B or lab limits.	J(+) if %R > UCL J(+)/UJ(-) if %R < LCL J(+)/R(-) using PJ if %R <<LCL (< 10%)	10
MS/MSD (recovery)	May not analyze MS/MSD %R should meet lab limits.	Qualify parent only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% PJ if only one %R outlier	8
MS/MSD (RPD)	May not analyze MS/MSD RPD < 20%	J(+) in parent sample if RPD > CL	9

EcoChem Validation Guidelines for Dioxin/Furan Analysis by HRMS
(Based on EPA Reg. 10 SOP, Rev. 2, 1996 & EPA SW-846, Methods 1613b and 8290)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Lab Duplicate	RPD <25% if present.	J(+)/UJ(-) if outside limts	9
Labeled Compounds / Internal Standards	*Method 8290:* %R = 40% - 135% in all samples *Method 1613B:* %R must meet limits specified in Table 7, Method 1613	J(+)/UJ(-) if %R = 10% to LCL J(+) if %R > UCL J(+)/R(-) if %R < 10%	13
Quantitation/ Identification	Ions for analyte, IS, and rec. std. must max w/in 2 sec. S/N >2.5 IA ratios meet limits in Table 9 of 1613B or Table 8 of 8290 RRTs w/in limits in Table 2 of 1613B	If RT criteria not met, use PJ (see TM-05) If S/N criteria not met, J(+). if unlabelled ion abundance not met, change to EMPC If labelled ion abundance not met, J(+).	21
EMPC (estimated maximum possible concentration)	If quantitation idenfication criteria are not met, laboratory should report an EMPC value.	If laboratory correctly reported an EMPC value, qualify with U to indicate that the value is a detection limit.	14
Interferences	PCDF interferences from PCDPE	If both detected, change PCDF result to EMPC	14
Second Column Confirmation	All 2378-TCDF hits must be confirmed on a DB-225 (or equiv) column. All QC specs in this table must be met for the confirmation analysis.	Report lower of the two values. If not performed use PJ (see TM-05).	3
Field Duplicates	Use QAPP limits. If no QAPP: Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (for results < 5X RL)	Narrate and qualify if required by project (EcoChem PJ)	9
Two analyses for one sample	Report only one result per analyte	"DNR" results that should not be used	11

EcoChem Validation Guidelines for PCB Congener Analysis by HRMS (Based on EPA Reg. 10 SOP, Rev. 1, 12/1995 & EPA SW-846, Method 1668)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler/Storage Temperature	Waters/Solids <4°C Tissues <-10°C	EcoChem PJ, see TM-05	1
Holding Time	Samples: Up to one year if stored in the dark & temp as above. Extracts: Up to 1 year if stored at <-10°C and in the dark	J(+)/UJ(-) if HT > 1 year EcoChem PJ, see TM-05	1
Mass Resolution	>=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	R(+/-) if not met	14
Column Resolution 209 Congener Solution	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	J(+) if valley >40%	5A (ICAL) 5B (CCAL)
Initial Calibration	Minimum of five standards %RSD < 20% for native compounds %RSD < 35% for labeled compounds	J(+) natives if %RSD > 20%	5A
	Ion Abundance ratios within QC limits (Method 1668, Table 8) in CS1 std.	EcoChem PJ, see TM-05	
	S/N ratio > 10 for all native and labeled compounds in CS1 std.	If <10, elevate Det. Limit or R(-)	
Continuing Calibration	Every 12 hours: Concentrations must meet criteria specified in Method 1668, Table 6	J(+)/(UJ(-) natives if %D = 30% - 50% J(+)/R(-) natives if %D > 75%	5B
	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.	EcoChem PJ, see ICAL section of TM-05	
	S/N ratio > 10	If <10, elevate Det. Limit or R(-)	
	Ion Abundance ratios must meet criteria specified in Method 1668, Table 8	EcoChem PJ, see TM-05	
Method Blank	One per matrix per batch No positive results	If sample result <5X action level, qualify U at reported value.	7

EcoChem Validation Guidelines for PCB Congener Analysis by HRMS (Based on EPA Reg. 10 SOP, Rev. 1, 12/1995 & EPA SW-846, Method 1668)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Rinse/Field Blank (if required)	One per matrix per batch No positive results	If sample result <5X action level, qualify U at reported value.	6
LCS / OPR	One per matrix per batch %R Values w/in limits specified in Method 1668, Table 6	J(+) if %R > UCL J(+)/UJ(-) if %R < LCL J(+)/R(-) using PJ if %R <<LCL (< 10%)	10
MS/MSD (if required)	Accuracy: %R values within laboratory limits	Qualify parent sample only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% PJ if only one %R outlier	8
	Precision: RPD < 20%	J(+) in parent sample if RPD > 20%	9
Duplicate (if required)	RPD <25%	J(+)/UJ(-) if outside limts	9
Labeled Compounds / Internal Standards	%R must meet limits specified in Method 1668, Table 6.	J(+)/UJ(-) if %R = 10% to LCL J(+) if %R > UCL J(+)/R(-) if %R < 10%	13
Quantitation/ Identification	Ions for analyte, IS, and rec. std. must max w/in 2 sec. S/N >2.5 Ion abundance (IA ratios) must meet limits stated in Table 8 of Method 1668 Relative retention times (RRT) must be w/in limits stated in Table 2 of Method 1668	If RT criteria not met, use PJ (see TM-05) J(+) if S/N criteria not met if unlabelled ion abundance not met, change to EMPC J(+) if labelled ion abundance not met.	21
Interferences	Lock masses must not deviate +/- 20%	Change result to EMPC	14
Field Duplicates	Use QAPP limits. If no QAPP: Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (for results < 5X RL)	Narrate and qualify if required by project (EcoChem PJ)	9
Two analyses for one sample	Report only one result per analyte	"DNR" results that should not be used to avoid reporting two results for one sample	11

EcoChem Validation Guidelines for Metals Analysis by ICP (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature and Preservation	Cooler temperature: 4°C ±2° Waters: Nitric Acid to pH < 2 For Dissolved Metals: 0.45um filter & preserve after filtration Tissues: Frozen	EcoChem Professional Judgment - no qualification based on cooler temperature outliers J(+)/UJ(-) if pH preservation requirements are not met	1
Holding Time	180 days from date sampled Frozen tissues - HT extended to 2 years	J(+)/UJ(-) if holding time exceeded	1
Initial Calibration	Blank + minimum 1 standard If more than 1 standard, r > 0.995	J(+)/UJ(-) if r < 0.995 (multi point cal)	5A
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within ±10% of true value	J(+)/UJ(-) if %R 75-89% J(+) if %R = 111-125% R(+) if %R > 125% R(+/-) if %R < 75%	5A
Continuing Calibration Verification (CCV)	Every ten samples, immediately following ICV/ICB and at end of run %R within ±10% of true value	J(+)/UJ(-) if %R = 75-89% J(+) if %R 111-125% R(+) if %R > 125% R(+/-) if %R < 75%	5B

Initial and Continuing Calibration Blank (ICB/CCB)	After each ICV and CCV
	every ten samples and end of run
	| blank | < IDL (MDL)
		Action level is 5x absolute value of blank conc.
		For (+) blanks, U(+) results < action level
		For (-) blanks, J(+)/UJ(-) results < action level
		(Refer to TM-02 for additional information)
			7

Reporting Limit Standard	2x RL analyzed beginning of run Not required for Al, Ba, Ca, Fe, Mg, Na, K %R = 70%-130% (50%-150% Sb, Pb, Tl)	R(-)/J(+) < 2x RL if %R <50% (< 30% Sb, Pb, Tl) J(+) < 2x RL, UJ(-) if %R 50-69% (30-49% Sb, Pb,Tl) J(+) < 2x RL if %R 130-180% (150-200% Sb, Pb, Tl) R(+) < 2x RL if %R > 180% (200% Sb, Pb, Tl)	14
Interference Check Samples (ICSA/ICSAB)	ICSAB %R 80 - 120% for all spiked elements | ICSA | < MDL for all unspiked elements except: K, Na	For samples with Al, Ca, Fe, or Mg > ICS levels R(+/-) if %R < 50% J(+) if %R >120% J(+)/UJ(-) if %R= 50 to 79% Use Professional Judgment for ICSA to determine if bias is present see **TM-09** for additional details	17
Method Blank	One per matrix per batch (batch not to exceed 20 samples) blank < MDL	Action level is 5x blank concentration U(+) results < action level	7
Laboratory Control Sample (LCS)	One per matrix per batch Blank Spike: %R within 80-120%	R(+/-) if %R < 50% J(+)/UJ(-) if %R = 50-79% J(+) if %R >120%	10
	CRM: Result within manufacturer's certified acceptance range or project guidelines	J(+)/UJ(-) if < LCL, J(+) if > UCL	

EcoChem Validation Guidelines for Metals Analysis by ICP (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Matrix Spikes	One per matrix per batch 75-125% for samples less than 4x spike level	J(+) if %R > 125% J(+)/UJ(-) if %R < 75% J(+)/R(-) if %R < 30% **or** J(+)/UJ(-) if Post Spike %R 75-125% Qualify all samples in batch	8
Post-digestion Spike	If Matrix Spike is outside 75-125%, spike at twice the sample conc.	No qualifiers assigned based on this element	
Laboratory Duplicate (or MS/MSD)	One per matrix per batch RPD < 20% for samples > 5x RL Diff ≤ RL for samples >RL and < 5x RL (Diff ≤ 2x RL for solids)	J(+)/UJ(-) if RPD > 20% or diff > RL (2x RL for solids) qualify all samples in batch	9
Serial Dilution	5x dilution one per matrix %D < 10% for original sample conc. > 50x MDL	J(+)/UJ(-) if %D >10% qualify all samples in batch	16
Field Blank	Blank < MDL	Action level is 5x blank conc. U(+) sample values < action level in associated field samples only	6
Field Duplicate	For results > 5x RL: Water: RPD < 35% Solid: RPD < 50% For results < 5 x RL: Water: Diff < RL Solid: Diff < 2x RL	J(+)/UJ(-) in parent samples only	9
Linear Range	Sample concentrations must fall within range	J values over range	20

EcoChem Validation Guidelines for Metals Analysis by ICP-MS (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature and Preservation	Cooler temperature: 4°C ±2° Waters: Nitric Acid to pH < 2 For Dissolved Metals: 0.45um filter & preserve after filtration	EcoChem Professional Judgment - no qualification based on cooler temperature outliers J(+)/UJ(-) if pH preservation requirements are not met	1
Holding Time	180 days from date sampled Frozen tissues - HT extended to 2 years	J(+)/UJ(-) if holding time exceeded	1
Tune	Prior to ICAL monitoring compounds analyzed 5 times wih Std Dev. ≤ 5% mass calibration <0.1 amu from True Value Resolution < 0.9 AMU @ 10% peak height or <0.75 amu @ 5% peak height	Use Professional Judgment to evaluate tune J(+)/UJ(-) if tune criteria not met	5A
Initial Calibration	Blank + minimum 1 standard If more than 1 standard, r>0.995	J(+)/UJ(-) if r<0.995 (for multi point cal)	5A
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within ±10% of true value	J(+)/UJ(-) if %R 75-89% J(+) if %R = 111-125% R(+) if %R > 125% R(+/-) if %R < 75%	5A
Continuing Calibration Verification (CCV)	Every ten samples, immediately following ICV/ICB and at end of run ±10% of true value	J(+)/UJ(-) if %R = 75-89% J(+) if %R 111-125% R(+) if %R > 125% R(+/-) if %R < 75%	5B

Initial and Continuing Calibration Blanks (ICB/CCB)	After each ICV and CCV
	every ten samples and end of run
	| blank | < IDL (MDL)
		Action level is 5x absolute value of blank conc.
		For (+) blanks, U(+) results < action level
		For (-) blanks, J(+)/UJ(-) results < action level
		refer to **TM-02** for additional details
			7

Reporting Limit Standard (CRI)	2x RL analyzed beginning of run Not required for Al, Ba, Ca, Fe, Mg, Na, K %R = 70%-130% (50%-150% Co,Mn, Zn)	R(-),(+) < 2x RL if %R < 50% (< 30% Co,Mn, Zn) J(+) < 2x RL, UJ(-) if %R 50-69% (30%-49% Co,Mn, Zn) J(+) < 2x RL if %R 130%-180% (150%-200% Co,Mn, Zn) R(+) < 2x RL if %R > 180% (200% Co, Mn, Zn)	14
Interference Check Samples (ICSA/ICSAB)	Required by SW 6020, but not 200.8 ICSAB %R 80% - 120% for all spiked elements | ICSA | < IDL (MDL) for all unspiked elements	For samples with Al, Ca, Fe, or Mg > ICS levels R(+/-) if %R < 50% J(+) if %R >120% J(+)/UJ(-) if %R = 50% to 79% Use Professional Judgment for ICSA to determine if bias is present see **TM-09** for additional details	17
Method Blank	One per matrix per batch (batch not to exceed 20 samples) blank < MDL	Action level is 5x blank concentration U(+) results < action level	7

EcoChem Validation Guidelines for Metals Analysis by ICP-MS (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Laboratory Control Sample (LCS)	One per matrix per batch Blank Spike: %R within 80%-120%	R(+/-) if %R < 50% J(+)/UJ(-) if %R = 50-79% J(+) if %R >120%	10
	CRM: Result within manufacturer's certified acceptance range or project guidelines	J(+)/UJ(-) if < LCL, J(+) if > UCL	
Matrix Spike/ Matrix Spike Duplicate (MS/MSD)	One per matrix per batch 75-125% for samples where results do not exceed 4x spike level	J(+) if %R>125% J(+)/UJ(-) if %R <75% J(+)/R(-) if %R<30% **or** J(+)/UJ(-) if Post Spike %R 75%-125% Qualify all samples in batch	8
Post-digestion Spike	If Matrix Spike is outside 75-125%, Spike parent sample at 2x the sample conc.	No qualifiers assigned based on this element	
Laboratory Duplicate (or MS/MSD)	One per matrix per batch RPD < 20% for samples > 5x RL Diff ≤ RL for samples >RL and < 5x RL (Diff ≤ 2x RL for solids)	J(+)/UJ(-) if RPD > 20% or diff > RL all samples in batch	9
Serial Dilution	5x dilution one per matrix %D < 10% for original sample values > 50x MDL	J(+)/UJ(-) if %D >10% All samples in batch	16
Internal Standards	Every sample SW6020: 60%-125% of cal blank IS 200.8: 30%-120% of cal blank IS	J (+)/UJ (-) all analytes associated with IS outlier	19
Field Blank	Blank < MDL	Action level is 5x blank conc. U(+) sample values < AL in associated field samples only	6
Field Duplicate	For results > 5x RL: Water: RPD < 35% Solid: RPD < 50% For results < 5 x RL: Water: Diff < RL Solid: Diff < 2x RL	J(+)/UJ(-) in parent samples only	9
Linear Range	Sample concentrations must fall within range	J values over range	20

EcoChem Validation Guidelines for Mercury Analysis by CVAA (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature and Preservation	Cooler temperature: 4°C ±2° Waters: Nitric Acid to pH < 2 For Dissolved Metals: 0.45um filter & preserve after filtration	EcoChem Professional Judgment - no qualification based on cooler temperature outliers J(+)/UJ(-) if pH preservation requirements are not met	1
Holding Time	28 days from date sampled Frozen tissues: HT extended to 6 months	J(+)/UJ(-) if holding time exceeded	1
Initial Calibration	Blank + 4 standards, one at RL r > 0.995	J(+)/UJ(-) if r<0.995	5A
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within ±20% of true value	J(+)/UJ(-) if %R = 65%-79% J(+) if %R = 121-135% R(+/-) if %R < 65% R(+) if %R > 135%	5A
Continuing Calibration Verification (CCV)	Every ten samples, immediately following ICV/ICB and at end of run %R within ±20% of true value	J(+)/UJ(-) if %R = 65%-79% J(+) if %R = 121-135% R(+/-) if %R < 65% R(+) if %R > 135%	5B

Initial and Continuing Calibration Blanks (ICB/CCB)	after each ICV and CCV
	every ten samples and end of run
	| blank | < IDL (MDL)
		Action level is 5x absolute value of blank conc.
		For (+) blanks, U(+) results < action level
		For (-) blanks, J(+)/UJ(-) results < action level
		refer to **TM-02** for additional details
			7

Reporting Limit Standard (CRA)	conc at RL - analyzed beginning of run %R = 70-130%	R(-),(+)<2xRL if %R <50% J(+)<2x RL, UJ(-) if %R 50-69% J(+) <2x RL if %R 130-180% R(+)<2x RL if %R>180%	14
Method Blank	One per matrix per batch (batch not to exceed 20 samples) blank < MDL	Action level is 5x blank concentration U(+) results < action level	7
Laboratory Control Sample (LCS)	One per matrix per batch		10
	Blank Spike: %R within 80-120%	R(+/-) if %R < 50% J(+)/UJ(-) if %R = 50-79% J(+) if %R >120%	
	CRM: Result within manufacturer's certified acceptance range or project guidelines	J(+)/UJ(-) if < LCL, J(+) if > UCL	
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One per matrix per batch 5% frequency 75-125% for samples less than 4x spike level	J(+) if %R>125% J(+)/UJ(-) if %R <75% J(+)/R(-) if %R<30% all samples in batch	8
Laboratory Duplicate (or MS/MSD)	One per matrix per batch RPD < 20% for samples > 5x RL Diff ≤ RL for samples >RL and < 5x RL (Diff ≤ 2x RL for solids)	J(+)/UJ(-) if RPD > 20% or diff > RL all samples in batch	9

EcoChem Validation Guidelines for Mercury Analysis by CVAA (Based on Inorganic NFG 1994 & 2004)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Field Blank	Blank < MDL	Action level is 5x blank conc. U(+) sample values < action level in associated field samples only	6
Field Duplicate	For results > 5x RL: Water: RPD < 35% Solid: RPD < 50% For results < 5x RL: Water: Diff<RL Solid: Diff < 2x RL	J(+)/UJ(-) in parent samples only	9
Linear Range	Sample concentrations must be less than 110% of high standard	J values over range	20

EcoChem Validation Guidelines for Conventional Chemistry Analysis (Based on EPA Standard Methods)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature and Preservation	Cooler Temperature 4°C ±2°C Preservation: Method Specific	Use Professional Judgment to qualify based to qualify for coole temp outliers J(+)/UJ(-) if preservation requirements not met	1
Holding Time	Method Specific	Professional Judgment J(+)/UJ(-) if holding time exceeded J(+)/R(-) if HT exceeded by > 3X	1
Initial Calibration	Method specific r>0.995	Use professional judgment J(+)/UJ(-) for r < 0.995	5A
Initial Calibration Verification (ICV)	Where applicable to method Independent source analyzed immediately after calibration %R method specific, usually 90% - 110%	R(+/-) if %R significantly < LCL J(+)/UJ(-) if %R < LCL J(+) if %R > UCL R(+) if %R significantly > UCL	5A
Continuing Cal Verification (CCV)	Where applicable to method Every ten samples, immed. following ICV/ICB and end of run %R method specific, usually 90% - 110%	R(+/-) if %R significantly < LCL J(+)/UJ(-) if %R < LCL J(+) if %R > UCL R(+) if %R significantly > UCL	5B

Initial and Continuing Cal Blanks (ICB/CCB)	Where applicable to method
	After each ICV and CCV every ten samples and end of run
	| blank| < MDL
		Action level is 5x absolute value of blank conc.
		For (+) blanks, U(+) results < action level
		For (-) blanks, J(+)/UJ(-) results < action level
		refer to TM-02 for additional details
			7

Method Blank	One per matrix per batch
	(not to exceed 20 samples)
	blank < MDL
		Action level is 5x absolute value of blank conc.
		For (+) blk value, U(+) results < action level
		For (-) blk value, J(+)/UJ(-) results < action level
			7

Laboratory Control Sample	Waters: One per matrix per batch %R (80-120%)	R(+/-) if %R < 50% J(+)/UJ(-) if %R = 50-79% J(+) if %R >120%	10
	Soils: One per matrix per batch Result within manufacturer's certified acceptance range	J(+)/UJ(-) if < LCL, J(+) if > UCL	10
Matrix Spike	One per matrix per batch; 5% frequency 75-125% for samples less than 4 x spike level	J(+) if %R > 125% or < 75% UJ(-) if %R = 30-74% R(+/-) results < IDL if %R < 30%	8
Laboratory Duplicate	One per matrix per batch RPD <20% for samples > 5x RL Diff <RL for samples >RL and <5 x RL (may use RPD < 35%, Diff < 2X RL for solids)	J(+)/UJ(-) if RPD > 20% or diff > RL all samples in batch	9

EcoChem Validation Guidelines for Conventional Chemistry Analysis (Based on EPA Standard Methods)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Field Blank	blank < MDL	Action level is 5x blank conc. U(+) sample values < action level in associated field samples only	6
Field Duplicate	For results > 5X RL: Water: RPD < 35% Solid: RPD < 50% For results < 5 x RL: Water: Diff<RL Solid: Diff < 2X RL	J(+)/UJ(-) in parent samples only	9

EcoChem, INC.
Environmental Data Quality

APPENDIX B
QUALIFIED DATA SUMMARY TABLE

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-SP-012-20130326-TB	13-6436-WJ10B	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8260C	2-Chloroethylvinylether	14000	ug/kg	U	UJ	5BL
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8260C	Hexachlorobutadiene	14000	ug/kg	U	UJ	5BL
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8260C	Iodomethane	2800	ug/kg	U	UJ	5BL
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8260C	trans-1,4-Dichloro-2-butene	14000	ug/kg	U	UJ	5BL
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8260C	Vinyl Acetate	14000	ug/kg	U	UJ	5BL
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA 1613B	1,2,3,7,8-PeCDF	6.07	ng/kg	X	J	23H
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA 1613B	OCDD	6520	ng/kg	E	J	20
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA 1613B	Total HxCDF	285	ng/kg	EMPC	J	25
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA 1613B	Total PeCDF	233	ng/kg	EMPC	J	25
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA 1613B	Total TCDD	35.6	ng/kg	EMPC	J	25
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA 1613B	2,3,7,8-TCDD	0.905	ng/kg	BEMPC	U	25
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA 1613B	Total PeCDF	78.3	ng/kg	EMPC	J	25
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA 1613B	Total TCDD	13.2	ng/kg	EMPC	J	25
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA 1613B	Total TCDF	66.1	ng/kg	EMPC	J	25
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	4,4'-DDD	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	4,4'-DDE	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	4,4'-DDT	21	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Aldrin	11	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	alpha-BHC	11	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	beta-BHC	11	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	cis-Chlordane	46	ug/kg	Y	UJ	14,22
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	delta-BHC	11	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Dieldrin	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endosulfan I	11	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endosulfan II	21	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endosulfan Sulfate	75	ug/kg	Y	UJ	5BL,14,22
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endrin	21	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endrin Aldehyde	21	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Endrin Ketone	21	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	gamma-BHC (Lindane)	11	ug/kg	U	UJ	5BL,14

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Heptachlor	11	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Heptachlor Epoxide	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Hexachlorobenzene	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Hexachlorobutadiene	21	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Methoxychlor	110	ug/kg	U	UJ	5BL
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	Toxaphene	2100	ug/kg	U	UJ	5BL,14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8081B	trans-Chlordane	11	ug/kg	U	UJ	14
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	4,4'-DDD	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	4,4'-DDE	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	4,4'-DDT	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Aldrin	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	alpha-BHC	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	beta-BHC	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	cis-Chlordane	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	delta-BHC	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Dieldrin	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endosulfan I	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endosulfan II	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endosulfan Sulfate	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endrin	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endrin Aldehyde	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Endrin Ketone	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	gamma-BHC (Lindane)	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Heptachlor	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Heptachlor Epoxide	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Hexachlorobenzene	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Hexachlorobutadiene	210	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Methoxychlor	1100	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	Toxaphene	21000	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10CDL	SW8081B	trans-Chlordane	110	ug/kg	U	DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8270D	Benzyl Alcohol	420	ug/kg	U	R	10L

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	2,4-Dinitrophenol	6100	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	2-Nitrophenol	710	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	3,3'-Dichlorobenzidine	1100	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	3-Nitroaniline	710	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	4,6-Dinitro-2-Methylphenol	1400	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	4-Chloroaniline	1900	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	4-Nitroaniline	710	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Aniline	3800	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Anthracene	27000	ug/kg	E	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Benzo(a)anthracene	18000	ug/kg	E	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Benzo(g,h,i)perylene	2200	ug/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Benzyl Alcohol	140	ug/kg	U	R	10L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Butylbenzylphthalate	1700	ug/kg		J	8L,9
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Carbazole	22000	ug/kg	E	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Chrysene	34000	ug/kg	E	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Di-n-Butylphthalate	380	ug/kg		J	9
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Fluoranthene	130000	ug/kg	ES	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Fluorene	19000	ug/kg	E	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Hexachlorocyclopentadiene	2800	ug/kg	U	R	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	N-Nitrosodiphenylamine	140	ug/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Phenanthrene	110000	ug/kg	ES	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270D	Pyrene	74000	ug/kg	ES	DNR	20
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	1,2,4-Trichlorobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	1,2-Dichlorobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	1,3-Dichlorobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	1,4-Dichlorobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	1-Methylnaphthalene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,2'-Oxybis(1-Chloropropane)	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4,5-Trichlorophenol	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4,6-Trichlorophenol	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4-Dichlorophenol	28000	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4-Dimethylphenol	5700	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4-Dinitrophenol	120000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,4-Dinitrotoluene	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2,6-Dinitrotoluene	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Chloronaphthalene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Chlorophenol	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Methylnaphthalene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Methylphenol	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Nitroaniline	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	2-Nitrophenol	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	3,3'-Dichlorobenzidine	21000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	3-Nitroaniline	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4,6-Dinitro-2-Methylphenol	28000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Bromophenyl-phenylether	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Chloro-3-methylphenol	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Chloroaniline	38000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Chlorophenyl-phenylether	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Methylphenol	6700	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Nitroaniline	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	4-Nitrophenol	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Acenaphthene	2300	ug/kg	J	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Acenaphthylene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Aniline	77000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Benzo(a)pyrene	6600	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Benzo(g,h,i)perylene	2800	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Benzoic Acid	57000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Benzyl Alcohol	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	bis(2-Chloroethoxy) Methane	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Bis-(2-Chloroethyl) Ether	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	bis(2-Ethylhexyl)phthalate	5100	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Butylbenzylphthalate	1800	ug/kg	J	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Dibenz(a,h)anthracene	1400	ug/kg	J	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Dibenzofuran	4700	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Diethylphthalate	7100	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Dimethylphthalate	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Di-n-Butylphthalate	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Di-n-Octyl phthalate	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Hexachlorobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Hexachlorobutadiene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Hexachlorocyclopentadiene	57000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Hexachloroethane	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Indeno(1,2,3-cd)pyrene	2800	ug/kg		DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Isophorone	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Naphthalene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Nitrobenzene	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	N-Nitrosodimethylamine	14000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	N-Nitroso-Di-N-Propylamine	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	N-Nitrosodiphenylamine	2800	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Pentachlorophenol	28000	ug/kg	U	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Phenol	2100	ug/kg	J	DNR	11
WJ10	SD-CB-01-20130326-S	13-6438-WJ10DDL	SW8270D	Total Benzofluoranthenes	23000	ug/kg		DNR	11
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8270DSIM	Benzyl Alcohol	420	ug/kg	U	R	5BL,10L
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8270DSIM	Diethylphthalate	190	ug/kg	B	U	7
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW8270DSIM	Pentachlorophenol	1000	ug/kg	U	UJ	5BL
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	2-Methylphenol	530	ug/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	Benzyl Alcohol	140	ug/kg	U	R	5BL,10L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	Butylbenzylphthalate	2000	ug/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	Diethylphthalate	25	ug/kg	J	U	7
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	Dimethylphthalate	97	ug/kg		J	9
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW8270DSIM	Pentachlorophenol	360	ug/kg	U	UJ	5BL
WJ10	SD-SP-01-20130326-W	13-6435-WJ10A	E200.8	Zinc	100	ug/L		J	8L
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA200.8	Chromium	76	mg/kg		J	8L
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	EPA200.8	Lead	225	mg/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA200.8	Chromium	28	mg/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	EPA200.8	Lead	62.5	mg/kg		J	8L
WJ10	SD-SP-01-20130326-S	13-6437-WJ10C	SW6010C	Copper	225	mg/kg		J	8L
WJ10	SD-CB-01-20130326-S	13-6438-WJ10D	SW6010C	Copper	79.8	mg/kg		J	8L
WJ10	SD-SP-01-20130326-W	13-6435-WJ10A	EPA300.0	N-Nitrate	5.0	mg-N/L	U	DNR	11
WJ10	SD-SP-01-20130326-W	13-6435-WJ10A	EPA353.2	N-Nitrite	0.010	mg-N/L	U	UJ	1
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8260C	Acrolein	170	ug/kg	U	UJ	5BL
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8260C	Carbon Disulfide	100	ug/kg		J	9
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8260C	Naphthalene	16	ug/kg	J	U	7
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8260C	Vinyl Acetate	17	ug/kg	U	UJ	5BL
WK49	GR-MH-03-20130404-S	13-7221-WK49E	EPA 1613B	Total HpCDF	2150	ng/kg	EMPC	J	25
WK49	GR-MH-03-20130404-S	13-7221-WK49E	EPA 1613B	Total PeCDF	684	ng/kg	EMPC	J	25
WK49	GR-MH-03-20130404-S	13-7221-WK49E	EPA 1613B	Total TCDF	555	ng/kg	EMPC	J	25
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	4,4'-DDD	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	4,4'-DDE	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	4,4'-DDT	240	ug/kg	Y	UJ	14,22
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Aldrin	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	alpha-BHC	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	beta-BHC	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	cis-Chlordane	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	delta-BHC	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Dieldrin	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endosulfan I	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endosulfan II	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endosulfan Sulfate	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endrin	100	ug/kg	Y	UJ	14,22
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endrin Aldehyde	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Endrin Ketone	57	ug/kg	U	UJ	14

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	gamma-BHC (Lindane)	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Heptachlor	42	ug/kg	Y	UJ	14,22
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Heptachlor Epoxide	170	ug/kg	Y	UJ	14,22
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Hexachlorobenzene	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Hexachlorobutadiene	57	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Methoxychlor	280	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	Toxaphene	5700	ug/kg	U	UJ	5BL,14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8081B	trans-Chlordane	28	ug/kg	U	UJ	14
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8082A	Aroclor 1260	1100	ug/kg	Y	U	22
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	2,4-Dinitrophenol	14000	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	2-Nitrophenol	1600	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	3,3'-Dichlorobenzidine	2500	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	3-Nitroaniline	1600	ug/kg	U	UJ	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	4,6-Dinitro-2-Methylphenol	3300	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	4-Chloroaniline	4400	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	Aniline	8800	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	Butylbenzylphthalate	1300	ug/kg		J	9
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270D	Hexachlorocyclopentadiene	6600	ug/kg	U	R	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270DSIM	Butylbenzylphthalate	1600	ug/kg		J	9
WK49	GR-MH-03-20130404-S	13-7221-WK49E	SW8270DSIM	Pentachlorophenol	820	ug/kg	U	UJ	5BL
WK49	GR-MH-03-20130404-S	13-7221-WK49E	EPA200.8	Antimony	0.9	mg/kg		J	8L
WK49	GR-MH-03-20130404-S	13-7221-WK49E	EPA200.8	Silver	2.6	mg/kg		J	8L
WL49	IM-CB-01-20130410-S	13-7784-WL49F	EPA 1613B	OCDD	10900	ng/kg	E	J	20
WL49	IM-CB-01-20130410-S	13-7784-WL49F	EPA 1613B	Total PeCDF	423	ng/kg	EMPC	J	25
WL49	IM-CB-01-20130410-S	13-7784-WL49F	EPA 1613B	Total TCDD	44.3	ng/kg	EMPC	J	25
WL49	IM-CB-01-20130410-S	13-7784-WL49F	EPA 1613B	Total TCDF	386	ng/kg	EMPC	J	25
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	4,4'-DDD	240	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	4,4'-DDE	90	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	4,4'-DDT	250	ug/kg	Y	UJ	5BL,22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Aldrin	56	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	cis-Chlordane	33	ug/kg	Y	U	22

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	delta-BHC	56	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Dieldrin	37	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Endosulfan Sulfate	210	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Endrin Aldehyde	88	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Endrin Ketone	180	ug/kg	Y	UJ	5BL,22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	gamma-BHC (Lindane)	50	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Heptachlor	54	ug/kg	Y	UJ	5BL,22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Hexachlorobenzene	36	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Methoxychlor	320	ug/kg	Y	UJ	5BL,22
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	Toxaphene	1800	ug/kg	U	UJ	5BL
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8081B	trans-Chlordane	63	ug/kg	Y	U	22
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	4,4'-DDD	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	4,4'-DDE	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	4,4'-DDT	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Aldrin	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	alpha-BHC	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	beta-BHC	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	cis-Chlordane	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	delta-BHC	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Dieldrin	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endosulfan I	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endosulfan II	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endosulfan Sulfate	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endrin	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endrin Aldehyde	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Endrin Ketone	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	gamma-BHC (Lindane)	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Heptachlor	450	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Heptachlor Epoxide	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Hexachlorobenzene	900	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Hexachlorobutadiene	900	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Methoxychlor	4500	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	Toxaphene	90000	ug/kg	U	DNR	11
WL49	IM-CB-01-20130410-S	13-7784-WL49FDL	SW8081B	trans-Chlordane	450	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	4,4'-DDT	9.2	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	Dieldrin	9.2	ug/kg	U	UJ	8
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	Endrin Ketone	9.2	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	Heptachlor	4.6	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	Methoxychlor	46	ug/kg	U	UJ	5BL,8
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8081B	Toxaphene	920	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	4,4'-DDD	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	4,4'-DDE	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	4,4'-DDT	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Aldrin	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	alpha-BHC	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	beta-BHC	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	cis-Chlordane	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	delta-BHC	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Dieldrin	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endosulfan I	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endosulfan II	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endosulfan Sulfate	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endrin	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endrin Aldehyde	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Endrin Ketone	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	gamma-BHC (Lindane)	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Heptachlor	230	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Heptachlor Epoxide	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Hexachlorobenzene	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Hexachlorobutadiene	460	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Methoxychlor	2300	ug/kg	U	DNR	11
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	Toxaphene	46000	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL49	IM-CB-02-20130410-S	13-7785-WL49GDL	SW8081B	trans-Chlordane	230	ug/kg	U	DNR	11
WL49	IM-MH-01-20130410-W	13-7779-WL49A	SW8082A	Aroclor 1248	0.024	ug/L	P	NJ	3
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8270D	Benzyl Alcohol	530	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270D	3,3'-Dichlorobenzidine	140	ug/kg	U	R	8L
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270D	Aniline	500	ug/kg	U	R	8L
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270D	Benzoic Acid	370	ug/kg	U	R	8L
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270D	Benzyl Alcohol	520	ug/kg		J	5BL,8L
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270D	Hexachlorocyclopentadiene	370	ug/kg	U	R	8L
WL49	IM-CB-01-20130410-S	13-7784-WL49F	SW8270DSIM	Pentachlorophenol	1300	ug/kg	U	UJ	5BL
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270DSIM	Benzyl Alcohol	690	ug/kg	EQ	J	8L,20
WL49	IM-CB-02-20130410-S	13-7785-WL49G	SW8270DSIM	Pentachlorophenol	47	ug/kg	U	UJ	5BL
WL49	IM-MH-01-20130410-W	13-7779-WL49A	E200.8	Zinc	280	ug/L		J	8L
WL49	IM-SW-01-20130410-W	13-7780-WL49B	E200.8	Antimony	3.7	ug/L		J	14
WL49	IM-SW-01-20130410-W	13-7780-WL49B	E200.8	Zinc	2340	ug/L		J	8L
WL49	IM-SW-01-20130410-W	13-7782-WL49D	E200.8	Antimony	20.3	ug/L		J	14
WL49	IM-CB-01-20130410-S	13-7784-WL49F	EPA200.8	Antimony	3.1	mg/kg		J	8L
WL49	IM-CB-02-20130410-S	13-7785-WL49G	EPA200.8	Antimony	0.2	mg/kg	U	UJ	8L
WL49	IM-MH-01-20130410-W	13-7779-WL49A	SM5310B	Dissolved Organic Carbon	73.9	mg/L		J	14
WL49	IM-MH-01-20130410-W	13-7779-WL49A	SM5310B	Total Organic Carbon	65.6	mg/L		J	14
WL65	IM-MH-01-20130410-W	13-7786-WL65A	SW7470A	Mercury	0.0605	ug/L		J	8L
WL65	IM-SW-01-20130410-W	13-7787-WL65B	SW7470A	Mercury	0.91	ug/L		J	8L
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	2-Butanone	26	ug/kg	Q	J	5BH
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	Acetone	110	ug/kg	Q	J	10H,5BH
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	Acrolein	86	ug/kg	U	UJ	5BL
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	Iodomethane	1.7	ug/kg	U	UJ	5BL
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	Methylene Chloride	3.6	ug/kg	QB	U	7
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	trans-1,4-Dichloro-2-butene	8.6	ug/kg	U	UJ	5BL
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8260C	Vinyl Acetate	8.6	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,1,2,2-Tetrachloroethane	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2,3-Trichlorobenzene	17	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2,3-Trichloropropane	6.6	ug/kg	U	UJ	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2,4-Trichlorobenzene	17	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2,4-Trimethylbenzene	5.4	ug/kg		J	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2-Dibromo-3-chloropropane	17	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,2-Dichlorobenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,3,5-Trimethylbenzene	3.3	ug/kg		J	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,3-Dichlorobenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	1,4-Dichlorobenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	2-Butanone	98	ug/kg	Q	J	5BH
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	2-Chlorotoluene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	4-Chlorotoluene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	4-Isopropyltoluene	3.0	ug/kg	J	J	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Acetone	380	ug/kg	Q	J	10H,5BH
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Acrolein	170	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Bromobenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Bromoform	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Hexachlorobutadiene	17	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Iodomethane	3.3	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Isopropylbenzene	2.7	ug/kg	J	J	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Naphthalene	17	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	n-Butylbenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	n-Propylbenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	sec-Butylbenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	tert-Butylbenzene	3.3	ug/kg	U	UJ	19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	trans-1,4-Dichloro-2-butene	17	ug/kg	U	UJ	5BL,19
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8260C	Vinyl Acetate	17	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1,1,2-Tetrachloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1,1-Trichloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1,2,2-Tetrachloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	9.3	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1,2-Trichloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1-Dichloroethane	4.6	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1-Dichloroethene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,1-Dichloropropene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2,3-Trichlorobenzene	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2,3-Trichloropropane	9.3	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2,4-Trichlorobenzene	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2,4-Trimethylbenzene	10	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2-Dibromo-3-chloropropane	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2-Dibromoethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2-Dichlorobenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2-Dichloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,2-Dichloropropane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,3,5-Trimethylbenzene	6.0	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,3-Dichlorobenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,3-Dichloropropane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	1,4-Dichlorobenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	2,2-Dichloropropane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	2-Butanone	120	ug/kg	Q	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	2-Chloroethylvinylether	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	2-Chlorotoluene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	2-Hexanone	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	4-Chlorotoluene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	4-Isopropyltoluene	5.0	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	4-Methyl-2-Pentanone (MIBK)	28	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Acetone	500	ug/kg	B	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Acrolein	230	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Acrylonitrile	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Benzene	9.8	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromobenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromochloromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromodichloromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromoethane	9.3	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromoform	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Bromomethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Carbon Disulfide	18	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Carbon Tetrachloride	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Chlorobenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Chloroethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Chloroform	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Chloromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	cis-1,2-Dichloroethene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	cis-1,3-Dichloropropene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Dibromochloromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Dibromomethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Dichlorodifluoromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Ethylbenzene	6.3	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Hexachlorobutadiene	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Iodomethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Isopropylbenzene	4.6	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	m,p-Xylene	6.0	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Methyl tert-Butyl Ether	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Methylene Chloride	14	ug/kg	QB	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Naphthalene	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	n-Butylbenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	n-Propylbenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	o-Xylene	3.9	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	sec-Butylbenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Styrene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	tert-Butylbenzene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Tetrachloroethene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Toluene	5.3	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	trans-1,2-Dichloroethene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	trans-1,3-Dichloropropene	4.6	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	trans-1,4-Dichloro-2-butene	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Trichloroethene	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Trichlorofluoromethane	4.6	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Vinyl Acetate	23	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8260C	Vinyl Chloride	4.6	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	4,4'-DDE	62	ug/kg	Y	U	22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	4,4'-DDT	82	ug/kg	Y	UJ	5BL,22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Aldrin	63	ug/kg	Y	U	22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	beta-BHC	10	ug/kg	Y	U	22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Endrin Ketone	39	ug/kg	Y	UJ	5BL,22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	gamma-BHC (Lindane)	13	ug/kg	Y	U	22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Heptachlor	39	ug/kg	Y	UJ	5BL,22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Heptachlor Epoxide	110	ug/kg	Y	U	22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Methoxychlor	140	ug/kg	Y	UJ	5BL,22
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8081B	Toxaphene	980	ug/kg	U	UJ	5BL
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	4,4'-DDD	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	4,4'-DDE	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	4,4'-DDT	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Aldrin	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	alpha-BHC	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	beta-BHC	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	cis-Chlordane	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	delta-BHC	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Dieldrin	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endosulfan I	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endosulfan II	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endosulfan Sulfate	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endrin	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endrin Aldehyde	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Endrin Ketone	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	gamma-BHC (Lindane)	250	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Heptachlor	250	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Heptachlor Epoxide	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Hexachlorobenzene	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Hexachlorobutadiene	490	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Methoxychlor	2500	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	Toxaphene	49000	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67ADL	SW8081B	trans-Chlordane	250	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	4,4'-DDE	250	ug/kg	Y	U	22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	4,4'-DDT	340	ug/kg	Y	UJ	5BL,22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Aldrin	340	ug/kg	Y	U	22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	beta-BHC	200	ug/kg	Y	U	22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Endrin	260	ug/kg	Y	U	22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Endrin Ketone	120	ug/kg	Y	UJ	5BL,22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Heptachlor	270	ug/kg	Y	UJ	5BL,22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Heptachlor Epoxide	490	ug/kg	Y	U	22
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Methoxychlor	310	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8081B	Toxaphene	6100	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	4,4'-DDD	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	4,4'-DDE	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	4,4'-DDT	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Aldrin	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	alpha-BHC	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	beta-BHC	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	cis-Chlordane	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	delta-BHC	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Dieldrin	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endosulfan I	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endosulfan II	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endosulfan Sulfate	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endrin	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endrin Aldehyde	3100	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Endrin Ketone	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	gamma-BHC (Lindane)	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Heptachlor	1500	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Heptachlor Epoxide	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Hexachlorobenzene	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Hexachlorobutadiene	3100	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Methoxychlor	15000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	Toxaphene	310000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8081B	trans-Chlordane	1500	ug/kg	U	DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8082A	Aroclor 1260	1300	ug/kg	P	J	3
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8270D	Benzyl Alcohol	180	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8270D	Benzyl Alcohol	360	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8270D	bis(2-Ethylhexyl)phthalate	43000	ug/kg	E	DNR	20
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	1,2,4-Trichlorobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	1,2-Dichlorobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	1,3-Dichlorobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	1,4-Dichlorobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	1-Methylnaphthalene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,2'-Oxybis(1-Chloropropane)	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4,5-Trichlorophenol	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4,6-Trichlorophenol	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4-Dichlorophenol	7300	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4-Dimethylphenol	1400	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4-Dinitrophenol	31000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,4-Dinitrotoluene	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2,6-Dinitrotoluene	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Chloronaphthalene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Chlorophenol	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Methylnaphthalene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Methylphenol	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Nitroaniline	3600	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	2-Nitrophenol	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	3,3'-Dichlorobenzidine	5400	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	3-Nitroaniline	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4,6-Dinitro-2-Methylphenol	7300	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Bromophenyl-phenylether	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Chloro-3-methylphenol	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Chloroaniline	9800	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Chlorophenyl-phenylether	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Methylphenol	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Nitroaniline	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	4-Nitrophenol	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Acenaphthene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Acenaphthylene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Aniline	20000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Anthracene	510	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Benzo(a)anthracene	1600	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Benzo(a)pyrene	1500	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Benzo(g,h,i)perylene	1000	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Benzoic Acid	14000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Benzyl Alcohol	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	bis(2-Chloroethoxy) Methane	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Bis-(2-Chloroethyl) Ether	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Butylbenzylphthalate	1400	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Carbazole	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Chrysene	2400	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Dibenz(a,h)anthracene	400	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Dibenzofuran	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Diethylphthalate	1800	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Dimethylphthalate	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Di-n-Butylphthalate	360	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Di-n-Octyl phthalate	1300	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Fluoranthene	4200	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Fluorene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Hexachlorobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Hexachlorobutadiene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Hexachlorocyclopentadiene	14000	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Hexachloroethane	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Indeno(1,2,3-cd)pyrene	800	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Isophorone	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Naphthalene	360	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Nitrobenzene	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	N-Nitrosodimethylamine	3600	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	N-Nitroso-Di-N-Propylamine	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	N-Nitrosodiphenylamine	730	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Pentachlorophenol	7300	ug/kg	U	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Phenanthrene	2100	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Phenol	620	ug/kg	J	DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Pyrene	4400	ug/kg		DNR	11
WL67	GR-WS-05-20130411-S	13-7792-WL67BDL	SW8270D	Total Benzofluoranthenes	3000	ug/kg		DNR	11
WL67	GR-CB-07-20130411-S	13-7791-WL67A	SW8270DSIM	Pentachlorophenol	460	ug/kg	U	UJ	5BL
WL67	GR-WS-05-20130411-S	13-7792-WL67B	SW8270DSIM	Pentachlorophenol	910	ug/kg	U	UJ	5BL
WL67	GR-CB-07-20130411-S	13-7791-WL67A	EPA200.8	Antimony	1.0	mg/kg		J	8L
WL67	GR-CB-07-20130411-S	13-7791-WL67A	EPA200.8	Silver	2.6	mg/kg		J	8L
WL67	GR-WS-05-20130411-S	13-7792-WL67B	EPA200.8	Antimony	11.5	mg/kg		J	8L
WL67	GR-WS-05-20130411-S	13-7792-WL67B	EPA200.8	Silver	6.1	mg/kg		J	8L
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	2-Butanone	15	ug/kg	Q	J	5BH,10H
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Acrolein	37	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Bromomethane	0.7	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Iodomethane	0.7	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Methylene Chloride	2.9	ug/kg	QB	U	7
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Naphthalene	0.8	ug/kg	J	U	7
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	trans-1,4-Dichloro-2-butene	3.7	ug/kg	U	UJ	5BL

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8260C	Vinyl Acetate	3.7	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	2-Butanone	33	ug/kg	Q	J	5BH,10H
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Acetone	120	ug/kg	B	J	5BH
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Acrolein	35	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Bromomethane	0.8	ug/kg	Q	J	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Iodomethane	0.7	ug/kg	J	J	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Methylene Chloride	2.0	ug/kg	QB	U	7
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Naphthalene	1.3	ug/kg	J	U	7
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	trans-1,4-Dichloro-2-butene	3.5	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8260C	Vinyl Acetate	3.5	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1,1,2-Tetrachloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1,1-Trichloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1,2,2-Tetrachloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1,2-Trichloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1-Dichloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1-Dichloroethene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,1-Dichloropropene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2,3-Trichlorobenzene	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2,3-Trichloropropane	1.2	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2,4-Trichlorobenzene	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2,4-Trimethylbenzene	13	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2-Dibromo-3-chloropropane	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2-Dibromoethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2-Dichlorobenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2-Dichloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,2-Dichloropropane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,3,5-Trimethylbenzene	5.0	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,3-Dichlorobenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,3-Dichloropropane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	1,4-Dichlorobenzene	0.6	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	2,2-Dichloropropane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	2-Butanone	11	ug/kg	Q	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	2-Chloroethylvinylether	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	2-Chlorotoluene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	2-Hexanone	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	4-Chlorotoluene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	4-Isopropyltoluene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	4-Methyl-2-Pentanone (MIBK)	15	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Acetone	36	ug/kg	B	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Acrolein	29	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Acrylonitrile	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Benzene	0.5	ug/kg	J	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromobenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromochloromethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromodichloromethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromoethane	1.2	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromoform	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Bromomethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Carbon Disulfide	2.6	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Carbon Tetrachloride	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Chlorobenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Chloroethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Chloroform	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Chloromethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	cis-1,2-Dichloroethene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	cis-1,3-Dichloropropene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Dibromochloromethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Dibromomethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Dichlorodifluoromethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Ethylbenzene	1.7	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Hexachlorobutadiene	2.9	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Iodomethane	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Isopropylbenzene	0.8	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	m,p-Xylene	6.0	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Methyl tert-Butyl Ether	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Methylene Chloride	2.0	ug/kg	QB	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Naphthalene	5.7	ug/kg	B	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	n-Butylbenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	n-Propylbenzene	0.8	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	o-Xylene	9.5	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	sec-Butylbenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Styrene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	tert-Butylbenzene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Tetrachloroethene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Toluene	0.9	ug/kg		DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	trans-1,2-Dichloroethene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	trans-1,3-Dichloropropene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	trans-1,4-Dichloro-2-butene	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Trichloroethene	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Trichlorofluoromethane	0.6	ug/kg	J	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Vinyl Acetate	2.9	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8260C	Vinyl Chloride	0.6	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,1,2,2-Tetrachloroethane	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2,3-Trichlorobenzene	3.4	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2,3-Trichloropropane	1.4	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2,4-Trichlorobenzene	3.4	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2,4-Trimethylbenzene	28	ug/kg		J	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2-Dibromo-3-chloropropane	3.4	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,2-Dichlorobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,3,5-Trimethylbenzene	10	ug/kg		J	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,3-Dichlorobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	1,4-Dichlorobenzene	0.7	ug/kg	U	UJ	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	2-Butanone	25	ug/kg	Q	J	5BH,10H
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	2-Chlorotoluene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	4-Chlorotoluene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	4-Isopropyltoluene	0.4	ug/kg	J	J	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Acetone	67	ug/kg	B	J	5BH
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Acrolein	34	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Bromobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Bromoform	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Bromomethane	0.7	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Hexachlorobutadiene	3.4	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Iodomethane	0.7	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Isopropylbenzene	1.2	ug/kg		J	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Methylene Chloride	2.4	ug/kg	QB	U	7
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Naphthalene	1.8	ug/kg	J	UJ	7,19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	n-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	n-Propylbenzene	1.2	ug/kg		J	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	sec-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	tert-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	trans-1,4-Dichloro-2-butene	3.4	ug/kg	U	UJ	5BL,19
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8260C	Vinyl Acetate	3.4	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	2-Butanone	20	ug/kg	Q	J	5BH,10H
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Acetone	83	ug/kg	B	J	5BH
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Acrolein	27	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Bromomethane	0.6	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Iodomethane	0.6	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Methylene Chloride	2.1	ug/kg	QB	U	7
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	trans-1,4-Dichloro-2-butene	2.7	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8260C	Vinyl Acetate	2.7	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,1,2,2-Tetrachloroethane	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2,3-Trichlorobenzene	3.4	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2,3-Trichloropropane	1.4	ug/kg	U	UJ	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2,4-Trichlorobenzene	3.4	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2,4-Trimethylbenzene	1.1	ug/kg		J	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2-Dibromo-3-chloropropane	3.4	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,2-Dichlorobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,3,5-Trimethylbenzene	0.6	ug/kg	J	J	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,3-Dichlorobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	1,4-Dichlorobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	2-Butanone	29	ug/kg	Q	J	5BH,10H
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	2-Chlorotoluene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	4-Chlorotoluene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	4-Isopropyltoluene	0.4	ug/kg	J	J	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Acetone	110	ug/kg	B	J	5BH
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Acrolein	34	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Bromobenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Bromoform	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Bromomethane	0.6	ug/kg	J	J	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Hexachlorobutadiene	3.4	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Iodomethane	1.0	ug/kg	Q	J	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Isopropylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Methylene Chloride	2.5	ug/kg	QB	U	7
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Naphthalene	1.2	ug/kg	J	UJ	7,19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	n-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	n-Propylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	sec-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	tert-Butylbenzene	0.7	ug/kg	U	UJ	19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	trans-1,4-Dichloro-2-butene	3.4	ug/kg	U	UJ	5BL,19
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8260C	Vinyl Acetate	3.4	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1,1,2-Tetrachloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1,1-Trichloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1,2,2-Tetrachloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1,2-Trichloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1-Dichloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1-Dichloroethene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,1-Dichloropropene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2,3-Trichlorobenzene	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2,3-Trichloropropane	1.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2,4-Trichlorobenzene	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2,4-Trimethylbenzene	1.8	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2-Dibromo-3-chloropropane	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2-Dibromoethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2-Dichloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,2-Dichloropropane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,3,5-Trimethylbenzene	1.1	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,3-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,3-Dichloropropane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	1,4-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	2,2-Dichloropropane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	2-Butanone	24	ug/kg	Q	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	2-Chloroethylvinylether	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	2-Chlorotoluene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	2-Hexanone	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	4-Chlorotoluene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	4-Isopropyltoluene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	4-Methyl-2-Pentanone (MIBK)	33	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Acetone	97	ug/kg	B	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Acrolein	33	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Acrylonitrile	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Benzene	0.7	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromobenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromochloromethane	0.7	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromodichloromethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromoethane	1.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromoform	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Bromomethane	0.8	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Carbon Disulfide	3.8	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Carbon Tetrachloride	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Chlorobenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Chloroethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Chloroform	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Chloromethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	cis-1,2-Dichloroethene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	cis-1,3-Dichloropropene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Dibromochloromethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Dibromomethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Dichlorodifluoromethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Ethylbenzene	0.9	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Hexachlorobutadiene	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Iodomethane	1.0	ug/kg	Q	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Isopropylbenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	m,p-Xylene	2.4	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Methyl tert-Butyl Ether	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Methylene Chloride	2.3	ug/kg	QB	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Naphthalene	1.3	ug/kg	J	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	n-Butylbenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	n-Propylbenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	o-Xylene	3.4	ug/kg		DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	sec-Butylbenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Styrene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	tert-Butylbenzene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Tetrachloroethene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Toluene	0.8	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	trans-1,2-Dichloroethene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	trans-1,3-Dichloropropene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	trans-1,4-Dichloro-2-butene	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Trichloroethene	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Trichlorofluoromethane	0.7	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Vinyl Acetate	3.3	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8260C	Vinyl Chloride	0.7	ug/kg	U	DNR	11
WM28	NS-TB-01-20130416-W	13-8133-WM28F	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WM28	NS-TB-01-20130416-W	13-8133-WM28F	SW8260C	Methylene Chloride	3.1	ug/L	QB	U	7
WM28	NS-TB-01-20130416-W	13-8133-WM28F	SW8260C	Naphthalene	0.7	ug/L	J	U	7
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	1,2,3,4,6,7,8-HpCDF	27.4	ng/kg		J	10H
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	1,2,3,7,8-PeCDF	0.503	ng/kg	JX	J	23H
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	2,3,7,8-TCDD	0.359	ng/kg	BEMPC	U	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total HpCDF	84.1	ng/kg	EMPC	J	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total HxCDD	54.1	ng/kg	EMPC	J	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total HxCDF	34.5	ng/kg	EMPC	J	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total PeCDF	16.3	ng/kg	EMPC	J	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total TCDD	4.3	ng/kg	EMPC	J	25
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA 1613B	Total TCDF	12.5	ng/kg	EMPC	J	25
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8081B	4,4'-DDT	9.7	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8081B	Endrin Ketone	9.7	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8081B	Heptachlor	4.9	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8081B	Methoxychlor	49	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8081B	Toxaphene	970	ug/kg	U	UJ	5BL
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	4,4'-DDD	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	4,4'-DDE	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	4,4'-DDT	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Aldrin	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	alpha-BHC	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	beta-BHC	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	cis-Chlordane	97	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	delta-BHC	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Dieldrin	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endosulfan I	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endosulfan II	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endosulfan Sulfate	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endrin	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endrin Aldehyde	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Endrin Ketone	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	gamma-BHC (Lindane)	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Heptachlor	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Heptachlor Epoxide	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Hexachlorobenzene	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Hexachlorobutadiene	200	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Methoxychlor	970	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	Toxaphene	20000	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28ADL	SW8081B	trans-Chlordane	97	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	4,4'-DDT	9.6	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	beta-BHC	5.2	ug/kg	Y	U	22
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	Endrin Ketone	9.6	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	Heptachlor	4.8	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	Methoxychlor	48	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8081B	Toxaphene	960	ug/kg	U	UJ	5BL
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	4,4'-DDD	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	4,4'-DDE	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	4,4'-DDT	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Aldrin	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	alpha-BHC	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	beta-BHC	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	cis-Chlordane	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	delta-BHC	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Dieldrin	190	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endosulfan I	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endosulfan II	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endosulfan Sulfate	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endrin	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endrin Aldehyde	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Endrin Ketone	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	gamma-BHC (Lindane)	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Heptachlor	96	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Heptachlor Epoxide	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Hexachlorobenzene	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Hexachlorobutadiene	190	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Methoxychlor	960	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	Toxaphene	19000	ug/kg	U	DNR	11
WM28	NS-MH-536-20130416-S	13-8129-WM28BDL	SW8081B	trans-Chlordane	96	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8081B	4,4'-DDT	9.8	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8081B	Endrin Ketone	9.8	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8081B	Heptachlor	4.9	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8081B	Methoxychlor	49	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8081B	Toxaphene	980	ug/kg	U	UJ	5BL
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	4,4'-DDD	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	4,4'-DDE	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	4,4'-DDT	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Aldrin	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	alpha-BHC	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	beta-BHC	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	cis-Chlordane	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	delta-BHC	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Dieldrin	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endosulfan I	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endosulfan II	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endosulfan Sulfate	200	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endrin	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endrin Aldehyde	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Endrin Ketone	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	gamma-BHC (Lindane)	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Heptachlor	98	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Heptachlor Epoxide	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Hexachlorobenzene	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Hexachlorobutadiene	200	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Methoxychlor	980	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	Toxaphene	20000	ug/kg	U	DNR	11
WM28	NS-CB-423-20130416-S	13-8130-WM28CDL	SW8081B	trans-Chlordane	98	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8081B	4,4'-DDT	9.4	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8081B	Endrin Ketone	9.4	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8081B	Heptachlor	4.7	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8081B	Methoxychlor	47	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW8081B	Toxaphene	940	ug/kg	U	UJ	5BL
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	4,4'-DDD	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	4,4'-DDE	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	4,4'-DDT	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Aldrin	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	alpha-BHC	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	beta-BHC	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	cis-Chlordane	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	delta-BHC	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Dieldrin	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endosulfan I	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endosulfan II	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endosulfan Sulfate	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endrin	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endrin Aldehyde	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Endrin Ketone	190	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	gamma-BHC (Lindane)	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Heptachlor	94	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Heptachlor Epoxide	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Hexachlorobenzene	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Hexachlorobutadiene	190	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Methoxychlor	940	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	Toxaphene	19000	ug/kg	U	DNR	11
WM28	NS-CB-421-20130416-S	13-8131-WM28DDL	SW8081B	trans-Chlordane	94	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8081B	4,4'-DDT	9.7	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8081B	Endrin Ketone	9.7	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8081B	Heptachlor	4.8	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8081B	Methoxychlor	48	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8081B	Toxaphene	970	ug/kg	U	UJ	5BL
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	4,4'-DDD	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	4,4'-DDE	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	4,4'-DDT	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Aldrin	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	alpha-BHC	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	beta-BHC	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	cis-Chlordane	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	delta-BHC	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Dieldrin	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endosulfan I	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endosulfan II	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endosulfan Sulfate	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endrin	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endrin Aldehyde	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Endrin Ketone	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	gamma-BHC (Lindane)	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Heptachlor	97	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Heptachlor Epoxide	190	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Hexachlorobenzene	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Hexachlorobutadiene	190	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Methoxychlor	970	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	Toxaphene	19000	ug/kg	U	DNR	11
WM28	NS-FD-001-20130416-S	13-8132-WM28EDL	SW8081B	trans-Chlordane	97	ug/kg	U	DNR	11
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW8082A	Aroclor 1248	7.8	ug/kg	Y	U	22
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW8082A	Aroclor 1248	9.6	ug/kg	Y	U	22
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8082A	Aroclor 1248	5.8	ug/kg	Y	U	22
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW8082A	Aroclor 1260	14	ug/kg		J	8H
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8270D	2,4-Dinitrophenol	2500	ug/kg	U	UJ	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8270D	3,3'-Dichlorobenzidine	440	ug/kg	U	R	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8270D	4-Chloroaniline	790	ug/kg	U	UJ	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8270D	Aniline	1600	ug/kg	U	R	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW8270D	Hexachlorocyclopentadiene	1200	ug/kg	U	R	8L
WM28	NS-CB-547-20130416-S	13-8128-WM28A	EPA200.8	Antimony	0.2	mg/kg	U	UJ	8L
WM28	NS-MH-536-20130416-S	13-8129-WM28B	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	EPA200.8	Antimony	0.2	mg/kg	U	UJ	8L
WM28	NS-CB-421-20130416-S	13-8131-WM28D	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WM28	NS-FD-001-20130416-S	13-8132-WM28E	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW6010C	Copper	216	mg/kg		J	8L
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW6010C	Copper	122	mg/kg		J	8L
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW6010C	Copper	87.8	mg/kg		J	8L
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW6010C	Copper	135	mg/kg		J	8L
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW6010C	Copper	174	mg/kg		J	8L
WM28	NS-CB-547-20130416-S	13-8128-WM28A	SW7471A	Mercury	0.06	mg/kg		J	9
WM28	NS-MH-536-20130416-S	13-8129-WM28B	SW7471A	Mercury	0.12	mg/kg		J	9
WM28	NS-CB-423-20130416-S	13-8130-WM28C	SW7471A	Mercury	0.06	mg/kg		J	9
WM28	NS-CB-421-20130416-S	13-8131-WM28D	SW7471A	Mercury	0.08	mg/kg		J	9
WM28	NS-FD-001-20130416-S	13-8132-WM28E	SW7471A	Mercury	0.04	mg/kg		J	9
WM84	NS-OF-006-20130419-W	13-8361-WM84A	SW8270DSIM	Naphthalene	0.076	ug/L	B	U	7
WM84	NS-OF-002-20130419-W	13-8362-WM84B	SW8270DSIM	Naphthalene	0.030	ug/L	B	U	7

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WM84	NS-WS-316-20130419-W	13-8364-WM84D	SW8270DSIM	Naphthalene	0.035	ug/L	B	U	7
WM84	NS-OF-006-20130419-W	13-8365-WM84E	E200.8	Zinc	47	ug/L		J	9
WM84	NS-OF-002-20130419-W	13-8366-WM84F	E200.8	Zinc	39	ug/L		J	9
WM84	NS-MH-682-20130419-W	13-8367-WM84G	E200.8	Zinc	5	ug/L		J	9
WM84	NS-WS-316-20130419-W	13-8368-WM84H	E200.8	Zinc	65	ug/L		J	9
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	1,2,3,4,7,8-HxCDF	4.03	ng/kg	X	J	23H
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	1,2,3,7,8-PeCDF	2	ng/kg	X	J	23H
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	2,3,4,6,7,8-HxCDF	5.2	ng/kg	X	J	23H
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	2,3,7,8-TCDD	0.65	ng/kg	EMPC	U	25
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	Total HxCDF	87.1	ng/kg	EMPC	J	25
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	Total PeCDF	65.3	ng/kg	EMPC	J	25
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	Total TCDD	20.1	ng/kg	EMPC	J	25
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA 1613B	Total TCDF	61.9	ng/kg	EMPC	J	25
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	4,4'-DDD	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	4,4'-DDT	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Endosulfan Sulfate	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Endrin	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Endrin Aldehyde	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Endrin Ketone	20	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Heptachlor	10	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Methoxychlor	100	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8081B	Toxaphene	2000	ug/kg	U	UJ	5B
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	4,4'-DDD	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	4,4'-DDE	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	4,4'-DDT	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Aldrin	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	alpha-BHC	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	beta-BHC	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	cis-Chlordane	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	delta-BHC	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Dieldrin	400	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endosulfan I	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endosulfan II	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endosulfan Sulfate	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endrin	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endrin Aldehyde	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Endrin Ketone	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	gamma-BHC (Lindane)	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Heptachlor	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Heptachlor Epoxide	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Hexachlorobenzene	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Hexachlorobutadiene	400	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Methoxychlor	2000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	Toxaphene	40000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8081B	trans-Chlordane	200	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1016	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1221	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1232	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1242	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1248	30	ug/kg	Y	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1254	53	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1260	54	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1262	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8082A	Aroclor 1268	4.0	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8082A	Aroclor 1248	30	ug/kg	Y	U	22
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	3,3'-Dichlorobenzidine	750	ug/kg	U	R	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	3-Nitroaniline	500	ug/kg	U	R	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	4-Chloroaniline	1400	ug/kg	U	R	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	4-Nitroaniline	500	ug/kg	U	UJ	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Aniline	2700	ug/kg	U	R	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Benzo(g,h,i)perylene	260	ug/kg		J	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Benzoic Acid	2000	ug/kg	U	UJ	5BL

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	bis(2-Ethylhexyl)phthalate	15000	ug/kg	EB	DNR	20
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Hexachlorocyclopentadiene	2000	ug/kg	U	R	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Indeno(1,2,3-cd)pyrene	140	ug/kg		J	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270D	Pentachlorophenol	1000	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	1,2,4-Trichlorobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	1,2-Dichlorobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	1,3-Dichlorobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	1,4-Dichlorobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	1-Methylnaphthalene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,2'-Oxybis(1-Chloropropane)	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4,5-Trichlorophenol	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4,6-Trichlorophenol	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4-Dichlorophenol	3000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4-Dimethylphenol	600	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4-Dinitrophenol	13000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,4-Dinitrotoluene	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2,6-Dinitrotoluene	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Chloronaphthalene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Chlorophenol	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Methylnaphthalene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Methylphenol	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Nitroaniline	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	2-Nitrophenol	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	3,3'-Dichlorobenzidine	2300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	3-Nitroaniline	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4,6-Dinitro-2-Methylphenol	3000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Bromophenyl-phenylether	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Chloro-3-methylphenol	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Chloroaniline	4100	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Chlorophenyl-phenylether	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Methylphenol	300	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Nitroaniline	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	4-Nitrophenol	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Acenaphthene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Acenaphthylene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Aniline	8100	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Anthracene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Benzo(a)anthracene	170	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Benzo(a)pyrene	200	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Benzo(g,h,i)perylene	470	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Benzoic Acid	6000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Benzyl Alcohol	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	bis(2-Chloroethoxy) Methane	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Bis-(2-Chloroethyl) Ether	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Butylbenzylphthalate	720	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Carbazole	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Chrysene	450	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Dibenz(a,h)anthracene	110	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Dibenzofuran	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Diethylphthalate	750	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Dimethylphthalate	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Di-n-Butylphthalate	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Di-n-Octyl phthalate	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Fluoranthene	420	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Fluorene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Hexachlorobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Hexachlorobutadiene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Hexachlorocyclopentadiene	6000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Hexachloroethane	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Indeno(1,2,3-cd)pyrene	220	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Isophorone	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Naphthalene	300	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Nitrobenzene	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	N-Nitrosodimethylamine	1500	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	N-Nitroso-Di-N-Propylamine	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	N-Nitrosodiphenylamine	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Pentachlorophenol	3000	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Phenanthrene	260	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Phenol	300	ug/kg	U	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Pyrene	650	ug/kg		DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27ADL	SW8270D	Total Benzofluoranthenes	510	ug/kg	J	DNR	11
WN27	CG-MH-010-20130423-S	13-8552-WN27A	SW8270DSIM	Pentachlorophenol	250	ug/kg	U	UJ	5BL
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WN27	CG-MH-010-20130423-S	13-8552-WN27A	EPA200.8	Chromium	52	mg/kg		J	8L
WN27	ES-TS-INF-20130424-S	13-8693-WN31A	EPA200.8	Antimony	0.6	mg/kg		J	8L
WN27	ES-TS-INF-20130424-S	13-8693-WN31A	EPA200.8	Cadmium	2.3	mg/kg		J	9
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8260C	Acrolein	9000	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8260C	trans-1,4-Dichloro-2-butene	900	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8260C	Vinyl Acetate	900	ug/kg	U	UJ	5BL
WN31	ES-TB-001-20130424-W	13-8696-WN31D	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WN31	ES-TB-001-20130424-W	13-8696-WN31D	SW8260C	Acetone	5.8	ug/L	J	U	7
WN31	ES-TB-001-20130424-W	13-8696-WN31D	SW8260C	Methylene Chloride	0.9	ug/L	J	U	7
WN31	ES-TB-001-20130424-W	13-8696-WN31D	SW8260C	Naphthalene	1.5	ug/L	J	U	7
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	1,2,3,7,8-PeCDF	2.51	ng/kg	X	J	23H
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	OCDD	6210	ng/kg	E	J	20
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total HpCDF	244	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total HxCDD	274	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total HxCDF	169	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total PeCDD	63.7	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total PeCDF	130	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total TCDD	30.9	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	EPA 1613B	Total TCDF	87	ng/kg	EMPC	J	25
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	4,4'-DDD	20	ug/kg	U	UJ	5BL

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	4,4'-DDE	57	ug/kg	Y	U	22
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	4,4'-DDT	20	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	beta-BHC	19	ug/kg	Y	U	22
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Endosulfan Sulfate	20	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Endrin	20	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Endrin Aldehyde	20	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Endrin Ketone	20	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Heptachlor	9.8	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Heptachlor Epoxide	230	ug/kg	Y	U	22
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Methoxychlor	98	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8081B	Toxaphene	2000	ug/kg	U	UJ	5B
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	4,4'-DDD	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	4,4'-DDE	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	4,4'-DDT	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Aldrin	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	alpha-BHC	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	beta-BHC	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	cis-Chlordane	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	delta-BHC	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Dieldrin	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endosulfan I	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endosulfan II	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endosulfan Sulfate	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endrin	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endrin Aldehyde	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Endrin Ketone	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	gamma-BHC (Lindane)	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Heptachlor	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Heptachlor Epoxide	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Hexachlorobenzene	390	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Hexachlorobutadiene	390	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Methoxychlor	2000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	Toxaphene	39000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8081B	trans-Chlordane	200	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1016	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1221	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1232	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1242	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1248	50	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1254	64	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1260	53	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1262	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8082A	Aroclor 1268	3.9	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8270D	Benzoic Acid	10000	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8270D	bis(2-Ethylhexyl)phthalate	120000	ug/kg	EB	DNR	20
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8270D	Pentachlorophenol	5000	ug/kg	U	UJ	5BL
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	1,2,4-Trichlorobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	1,2-Dichlorobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	1,3-Dichlorobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	1,4-Dichlorobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	1-Methylnaphthalene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,2'-Oxybis(1-Chloropropane)	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4,5-Trichlorophenol	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4,6-Trichlorophenol	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4-Dichlorophenol	15000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4-Dimethylphenol	3000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4-Dinitrophenol	64000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,4-Dinitrotoluene	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2,6-Dinitrotoluene	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Chloronaphthalene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Chlorophenol	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Methylnaphthalene	1500	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Methylphenol	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Nitroaniline	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	2-Nitrophenol	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	3,3'-Dichlorobenzidine	11000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	3-Nitroaniline	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4,6-Dinitro-2-Methylphenol	15000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Bromophenyl-phenylether	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Chloro-3-methylphenol	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Chloroaniline	20000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Chlorophenyl-phenylether	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Methylphenol	14000	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Nitroaniline	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	4-Nitrophenol	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Acenaphthene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Acenaphthylene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Aniline	40000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Anthracene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Benzo(a)anthracene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Benzo(a)pyrene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Benzo(g,h,i)perylene	1400	ug/kg	J	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Benzoic Acid	30000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Benzyl Alcohol	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	bis(2-Chloroethoxy) Methane	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Bis-(2-Chloroethyl) Ether	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Butylbenzylphthalate	1600	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Carbazole	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Chrysene	1500	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Dibenz(a,h)anthracene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Dibenzofuran	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Diethylphthalate	3800	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Dimethylphthalate	1600	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Di-n-Butylphthalate	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Di-n-Octyl phthalate	5300	ug/kg	M	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Fluoranthene	2000	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Fluorene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Hexachlorobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Hexachlorobutadiene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Hexachlorocyclopentadiene	30000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Hexachloroethane	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Indeno(1,2,3-cd)pyrene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Isophorone	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Naphthalene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Nitrobenzene	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	N-Nitrosodimethylamine	7500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	N-Nitroso-Di-N-Propylamine	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	N-Nitrosodiphenylamine	1500	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Pentachlorophenol	15000	ug/kg	U	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Phenanthrene	1300	ug/kg	J	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Phenol	2300	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Pyrene	2800	ug/kg		DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31ADL	SW8270D	Total Benzofluoranthenes	1600	ug/kg	J	DNR	11
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8270DSIM	Diethylphthalate	95	ug/kg	JB	U	7
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	SW8270DSIM	Pentachlorophenol	1200	ug/kg	U	UJ	5BL
WN31	ES-MH-001-20130424-W	13-8694-WN31B	SW8270DSIM	Naphthalene	0.077	ug/L	B	U	7
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	PSEP-PS	8-9 Phi Clay	0.1	%	U	UJ	23L
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	PSEP-PS	9-10 Phi Clay	0.1	%	U	UJ	23L
WN31	ES-TS-INF-20130424-S	13-8693-WN31A	PSEP-PS	Coarse Silt	2.3	%		J	23L
WR99	KC-TB-01-20130530-W	13-11543-WR99C	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WR99	KC-TB-01-20130530-W	13-11543-WR99C	SW8260C	Methylene Chloride	3.2	ug/L	QB	U	7
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8260C	Methylene Chloride	1.2	ug/kg	JQB	U	7
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8260C	trans-1,4-Dichloro-2-butene	3.9	ug/kg	U	UJ	5BL
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8260C	Vinyl Acetate	3.9	ug/kg	U	UJ	5BL

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.438	ng/kg	JEMPC	U	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	1,2,3,7,8-PeCDF	0.384	ng/kg	BJEMPC	U	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	2,3,7,8-TCDD	0.452	ng/kg	BJEMPC	U	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	2,3,7,8-TCDF	0.423	ng/kg	JEMPC	U	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total HpCDF	16.7	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total HxCDD	29.2	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total HxCDF	22.8	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total PeCDD	10.8	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total PeCDF	43.2	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total TCDD	6.78	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA 1613B	Total TCDF	16.8	ng/kg	EMPC	J	25
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	NWTPHD	Diesel Range Hydrocarbons	150	mg/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8081B	4,4'-DDT	4.7	ug/kg	U	UJ	8
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8081B	delta-BHC	2.4	ug/kg	U	UJ	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8081B	Endrin	4.7	ug/kg	U	UJ	8
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8081B	Methoxychlor	24	ug/kg	U	UJ	8L
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	4,4'-DDE	200	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	4,4'-DDT	680	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	Dieldrin	160	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	Endosulfan II	180	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	Endrin	300	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8081B	Heptachlor Epoxide	74	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	4,4'-DDE	3500	ug/kg	YEP	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	4,4'-DDT	10000	ug/kg	YE	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Dieldrin	2400	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Endosulfan I	970	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Endosulfan II	560	ug/kg	YEP	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Endrin	660	ug/kg	YEP	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Endrin Aldehyde	670	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Endrin Ketone	1800	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	Heptachlor Epoxide	1600	ug/kg	Y	U	22

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8081B	trans-Chlordane	990	ug/kg	Y	U	22
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8082A	Aroclor 1248	380	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8082A	Aroclor 1248	8000	ug/kg	Y	U	22
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8082A	Aroclor 1254	88000	ug/kg	E	DNR	20
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8082A	Aroclor 1260	20000	ug/kg		DNR	20
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1016	3200	ug/kg	U	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1221	3200	ug/kg	U	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1232	3200	ug/kg	U	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1242	3200	ug/kg	U	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1248	9600	ug/kg	Y	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1262	3200	ug/kg	U	DNR	11
WR99	KC-DD-2009-20130530-S	13-11546-WR99FDL	SW8082A	Aroclor 1268	3200	ug/kg	U	DNR	11
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	3,3'-Dichlorobenzidine	300	ug/kg	U	R	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	4-Chloroaniline	530	ug/kg	U	R	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Aniline	1100	ug/kg	U	R	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Benzo(a)anthracene	1000	ug/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Benzo(a)pyrene	1300	ug/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Benzo(g,h,i)perylene	990	ug/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Chrysene	1500	ug/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Indeno(1,2,3-cd)pyrene	970	ug/kg		J	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Phenanthrene	1400	ug/kg		J	8
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270D	Total Benzofluoranthenes	2600	ug/kg		J	8L
WR99	KC-VT-1593-20130530-W	13-11541-WR99A	SW8270DSIM	Acenaphthene	2.2	ug/L	E	DNR	20
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	1-Methylnaphthalene	0.089	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	2-Methylnaphthalene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Acenaphthylene	0.049	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Anthracene	0.068	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Benzo(a)anthracene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Benzo(a)pyrene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Benzo(b)fluoranthene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Benzo(g,h,i)perylene	0.030	ug/L	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Benzo(k)fluoranthene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Chrysene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Dibenz(a,h)anthracene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Dibenzofuran	0.56	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Fluoranthene	0.28	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Fluorene	0.79	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Naphthalene	0.074	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Phenanthrene	0.079	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Pyrene	0.19	ug/L		DNR	11
WR99	KC-VT-1593-20130530-W	13-11541-WR99ARE	SW8270DSIM	Total Benzofluoranthenes	0.060	ug/L	U	DNR	11
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	SW8270DSIM	Diethylphthalate	6.2	ug/kg	B	U	7
WR99	KC-CB-01-20130530-S	13-11545-WR99E	SW8270DSIM	Diethylphthalate	28	ug/kg	B	U	7
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	SW8270DSIM	Diethylphthalate	29	ug/kg	B	U	7
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WR99	KC-VT-1593-20130530-S	13-11544-WR99D	EPA200.8	Lead	45.4	mg/kg		J	8L,9
WR99	KC-CB-01-20130530-S	13-11545-WR99E	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WR99	KC-CB-01-20130530-S	13-11545-WR99E	EPA200.8	Lead	148	mg/kg		J	8L,9
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	EPA200.8	Antimony	0.4	mg/kg		J	8L
WR99	KC-DD-2009-20130530-S	13-11546-WR99F	EPA200.8	Lead	234	mg/kg		J	8L,9
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	1,1-Dichloroethene	0.9	ug/kg	U	UJ	5BL
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	Acrolein	47	ug/kg	U	UJ	5BL
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	Bromoethane	1.9	ug/kg	U	UJ	5BL
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	Iodomethane	0.9	ug/kg	U	UJ	5BL
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	trans-1,4-Dichloro-2-butene	4.7	ug/kg	U	UJ	5BL
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8260C	Vinyl Acetate	4.7	ug/kg	U	UJ	5BL
WS21	KC-TB-02	13-11679-WS21B	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.227	ng/kg	JEMPC	U	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	1,2,3,4,7,8-HxCDD	0.101	ng/kg	JEMPC	U	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	1,2,3,4,7,8-HxCDF	0.518	ng/kg	BJ	U	7
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	1,2,3,7,8,9-HxCDF	0.233	ng/kg	JEMPC	U	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	1,2,3,7,8-PeCDF	0.245	ng/kg	BJEMPC	U	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	2,3,4,7,8-PeCDF	0.235	ng/kg	BJEMPC	U	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	2,3,7,8-TCDF	0.206	ng/kg	JEMPC	U	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total HpCDF	4.25	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total HxCDD	5.32	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total HxCDF	4.03	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total PeCDD	2.73	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total PeCDF	5.37	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total TCDD	3.43	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA 1613B	Total TCDF	2.32	ng/kg	EMPC	J	25
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	SW8270DSIM	Diethylphthalate	11	ug/kg	B	U	7
WS21	KC-IV-SPS-20130531-S	13-11678-WS21A	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WS90	CL-MH-SPS-20130605-W	13-12078-WS90A	SW8270DSIM	1-Methylnaphthalene	0.010	ug/L		U	6
WS90	CL-MH-SPS-20130605-W	13-12078-WS90A	SW8270DSIM	2-Methylnaphthalene	0.016	ug/L		U	6
WS90	CL-MH-SPS-20130605-W	13-12078-WS90A	SW8270DSIM	Naphthalene	0.020	ug/L		U	6
WS90	CL-VT-EFF-20130605-W	13-12079-WS90B	SW8270DSIM	Naphthalene	0.014	ug/L		U	6
WS90	CL-MH-SPS-20130605-W	13-12078-WS90A	E200.8	Antimony	2.0	ug/L		J	8L,9
WS90	CL-VT-EFF-20130605-W	13-12079-WS90B	E200.8	Antimony	2.4	ug/L		J	8L
WS90	QC-EB-02-20130605-W	13-12080-WS90C	E200.8	Antimony	0.2	ug/L	U	UJ	8L
WS90	QC-EB-03-20130605-W	13-12081-WS90D	E200.8	Antimony	0.2	ug/L	U	UJ	8L
WS90	CL-MH-SPS-20130605-W	13-12082-WS90E	E200.8	Antimony	4.4	ug/L		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	1,1-Dichloroethene	2.1	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	Acrolein	100	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	Bromoethane	4.1	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	Iodomethane	2.1	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	Methylene Chloride	9.0	ug/kg	B	U	7
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	trans-1,4-Dichloro-2-butene	10	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8260C	Vinyl Acetate	10	ug/kg	U	UJ	5BL
WS91	CL-QC-TB-20130605-W	13-12077-WS91B	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WS91	CL-QC-TB-20130605-W	13-12077-WS91B	SW8260C	Methylene Chloride	2.3	ug/L	B	U	7
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	1,2,3,4,6,7,8-HpCDF	13.6	ng/kg		J	10H

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	1,2,3,4,7,8-HxCDF	1.01	ng/kg	EMPC	U	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	1,2,3,7,8-PeCDF	0.54	ng/kg	JEMPC	U	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	2,3,7,8-TCDD	0.236	ng/kg	JEMPC	U	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	2,3,7,8-TCDF	0.526	ng/kg	JEMPC	U	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total HpCDF	30.3	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total HxCDD	20	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total HxCDF	17.8	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total PeCDD	3.69	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total PeCDF	13.8	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total TCDD	1.82	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA 1613B	Total TCDF	6.61	ng/kg	EMPC	J	25
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	4,4'-DDD	5.0	ug/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	4,4'-DDT	12	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	alpha-BHC	2.5	ug/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	beta-BHC	3.4	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	cis-Chlordane	2.5	ug/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	delta-BHC	2.5	ug/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	Endosulfan Sulfate	13	ug/kg	Y	UJ	8L,22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	Endrin	8.6	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	Endrin Ketone	24	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	Heptachlor	2.5	ug/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	Toxaphene	500	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8081B	trans-Chlordane	45	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8082A	Aroclor 1232	5.9	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8082A	Aroclor 1254	20	ug/kg	Y	U	22
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2,4,5-Trichlorophenol	180	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2,4,6-Trichlorophenol	180	ug/kg	U	UJ	8L,13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2,4-Dichlorophenol	370	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2,4-Dimethylphenol	110	ug/kg		J	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2,4-Dinitrophenol	1600	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2-Chlorophenol	37	ug/kg	U	UJ	13L

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2-Methylphenol	37	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	2-Nitrophenol	180	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	3,3'-Dichlorobenzidine	280	ug/kg	U	R	8L,10L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	3-Nitroaniline	180	ug/kg	U	UJ	10L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	4,6-Dinitro-2-Methylphenol	370	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	4-Chloro-3-methylphenol	180	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	4-Chloroaniline	500	ug/kg	U	R	10L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	4-Methylphenol	270	ug/kg		J	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	4-Nitrophenol	180	ug/kg	U	R	8L,13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Aniline	1000	ug/kg	U	R	8L,10L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Benzoic Acid	740	ug/kg	U	R	5BL,8L,13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Benzyl Alcohol	37	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Chrysene	190	ug/kg		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Fluoranthene	430	ug/kg		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Fluorene	87	ug/kg		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Hexachlorocyclopentadiene	740	ug/kg	U	R	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Pentachlorophenol	370	ug/kg	U	UJ	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Phenanthrene	690	ug/kg		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Phenol	880	ug/kg		J	13L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270D	Pyrene	320	ug/kg		J	9
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270DSIM	Diethylphthalate	14	ug/kg	B	U	7
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW8270DSIM	Pentachlorophenol	93	ug/kg	U	UJ	5BL
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L
WS91	CL-MH-SPS-20130605-S	13-12076-WS91A	SW6010C	Zinc	236	mg/kg		J	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1,1,2-Tetrachloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1,1-Trichloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1,2,2-Tetrachloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1,2-Trichloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1-Dichloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1-Dichloroethene	2.0	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,1-Dichloropropene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2,3-Trichlorobenzene	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2,3-Trichloropropane	4.1	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2,4-Trichlorobenzene	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2,4-Trimethylbenzene	61	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2-Dibromo-3-chloropropane	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2-Dibromoethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2-Dichlorobenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2-Dichloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,2-Dichloropropane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,3,5-Trimethylbenzene	44	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,3-Dichlorobenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,3-Dichloropropane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	1,4-Dichlorobenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	2,2-Dichloropropane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	2-Butanone	200	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	2-Chloroethylvinylether	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	2-Chlorotoluene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	2-Hexanone	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	4-Chlorotoluene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	4-Isopropyltoluene	3.9	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	4-Methyl-2-Pentanone (MIBK)	490	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Acetone	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Acrolein	100	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Acrylonitrile	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Benzene	3.7	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromobenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromochloromethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromodichloromethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromoethane	4.1	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromoform	2.0	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Bromomethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Carbon Disulfide	80	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Carbon Tetrachloride	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Chlorobenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Chloroethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Chloroform	3.8	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Chloromethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	cis-1,2-Dichloroethene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	cis-1,3-Dichloropropene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Dibromochloromethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Dibromomethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Dichlorodifluoromethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Ethylbenzene	4.0	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Hexachlorobutadiene	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Iodomethane	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Isopropylbenzene	5.7	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	m,p-Xylene	13	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Methyl tert-Butyl Ether	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Methylene Chloride	10	ug/kg	QB	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Naphthalene	16	ug/kg	B	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	n-Butylbenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	n-Propylbenzene	5.6	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	o-Xylene	15	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	sec-Butylbenzene	7.1	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Styrene	8.1	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	tert-Butylbenzene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Tetrachloroethene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Toluene	5.3	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	trans-1,2-Dichloroethene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	trans-1,3-Dichloropropene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	trans-1,4-Dichloro-2-butene	10	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Trichloroethene	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Trichlorofluoromethane	5.1	ug/kg		DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Vinyl Acetate	10	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8260C	Vinyl Chloride	2.0	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,1,2,2-Tetrachloroethane	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,1-Dichloroethene	1.8	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2,3-Trichlorobenzene	9.1	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2,3-Trichloropropane	3.6	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2,4-Trichlorobenzene	9.1	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2,4-Trimethylbenzene	35	ug/kg		J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2-Dibromo-3-chloropropane	9.1	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,2-Dichlorobenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,3,5-Trimethylbenzene	25	ug/kg		J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,3-Dichlorobenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	1,4-Dichlorobenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	2-Chloroethylvinylether	9.1	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	2-Chlorotoluene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	4-Chlorotoluene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	4-Isopropyltoluene	2.1	ug/kg		J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Acrolein	91	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Bromobenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Bromoethane	3.6	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Bromoform	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Hexachlorobutadiene	9.1	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Iodomethane	1.8	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Isopropylbenzene	3.6	ug/kg		J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Methylene Chloride	9.0	ug/kg	QB	U	7
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Naphthalene	12	ug/kg	B	J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	n-Butylbenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	n-Propylbenzene	3.2	ug/kg		J	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	sec-Butylbenzene	4.2	ug/kg		J	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	tert-Butylbenzene	1.8	ug/kg	U	UJ	19
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	trans-1,4-Dichloro-2-butene	9.1	ug/kg	U	UJ	19,5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8260C	Vinyl Acetate	9.1	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,1,2,2-Tetrachloroethane	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,1-Dichloroethene	1.5	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2,3-Trichlorobenzene	7.3	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2,3-Trichloropropane	2.9	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2,4-Trichlorobenzene	7.3	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2,4-Trimethylbenzene	32	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2-Dibromo-3-chloropropane	7.3	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,2-Dichlorobenzene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,3,5-Trimethylbenzene	23	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,3-Dichlorobenzene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	1,4-Dichlorobenzene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	2-Chloroethylvinylether	7.3	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	2-Chlorotoluene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	4-Chlorotoluene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	4-Isopropyltoluene	2.0	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Acrolein	73	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Bromobenzene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Bromoethane	2.9	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Bromoform	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Hexachlorobutadiene	7.3	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Iodomethane	1.5	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Isopropylbenzene	3.2	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Methylene Chloride	5.4	ug/kg	QB	U	7
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Naphthalene	6.9	ug/kg	J	J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	n-Butylbenzene	1.5	ug/kg	U	UJ	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	n-Propylbenzene	2.5	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	sec-Butylbenzene	6.9	ug/kg		J	19
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	tert-Butylbenzene	1.5	ug/kg	U	UJ	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	trans-1,4-Dichloro-2-butene	7.3	ug/kg	U	UJ	19,5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8260C	Vinyl Acetate	7.3	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1,1,2-Tetrachloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1,1-Trichloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1,2,2-Tetrachloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1,2-Trichloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1-Dichloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1-Dichloroethene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,1-Dichloropropene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2,3-Trichlorobenzene	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2,3-Trichloropropane	3.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2,4-Trichlorobenzene	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2,4-Trimethylbenzene	61	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2-Dibromo-3-chloropropane	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2-Dibromoethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2-Dichlorobenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2-Dichloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,2-Dichloropropane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,3,5-Trimethylbenzene	44	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,3-Dichlorobenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,3-Dichloropropane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	1,4-Dichlorobenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	2,2-Dichloropropane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	2-Butanone	390	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	2-Chloroethylvinylether	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	2-Chlorotoluene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	2-Hexanone	15	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	4-Chlorotoluene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	4-Isopropyltoluene	3.5	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	4-Methyl-2-Pentanone (MIBK)	360	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Acetone	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Acrolein	85	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Acrylonitrile	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Benzene	3.1	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromobenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromochloromethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromodichloromethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromoethane	3.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromoform	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Bromomethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Carbon Disulfide	59	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Carbon Tetrachloride	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Chlorobenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Chloroethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Chloroform	2.8	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Chloromethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	cis-1,2-Dichloroethene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	cis-1,3-Dichloropropene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Dibromochloromethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Dibromomethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Dichlorodifluoromethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Ethylbenzene	3.6	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Hexachlorobutadiene	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Iodomethane	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Isopropylbenzene	5.9	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	m,p-Xylene	11	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Methyl tert-Butyl Ether	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Methylene Chloride	8.7	ug/kg	QB	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Naphthalene	18	ug/kg	B	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	n-Butylbenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	n-Propylbenzene	5.3	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	o-Xylene	14	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	sec-Butylbenzene	7.9	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Styrene	8.3	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	tert-Butylbenzene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Tetrachloroethene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Toluene	4.2	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	trans-1,2-Dichloroethene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	trans-1,3-Dichloropropene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	trans-1,4-Dichloro-2-butene	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Trichloroethene	1.7	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Trichlorofluoromethane	4.8	ug/kg		DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Vinyl Acetate	8.5	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8260C	Vinyl Chloride	1.7	ug/kg	U	DNR	11
WT81	AM-TB-01-20130612-W	13-12639-WT81D	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WT81	AM-TB-01-20130612-W	13-12639-WT81D	SW8260C	Methylene Chloride	3.5	ug/L	QB	U	7
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	1,2,3,4,6,7,8-HpCDF	54.4	ng/kg		J	10H
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	2,3,7,8-TCDD	0.463	ng/kg	JEMPC	U	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total HpCDF	165	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total HxCDD	58.4	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total HxCDF	104	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total PeCDD	12.3	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total PeCDF	54.2	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total TCDD	6.71	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA 1613B	Total TCDF	46.3	ng/kg	EMPC	J	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	1,2,3,4,6,7,8-HpCDF	114	ng/kg		J	10H
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	2,3,4,7,8-PeCDF	2.2	ng/kg	EMPC	U	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	2,3,7,8-TCDD	0.944	ng/kg	JEMPC	U	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	2,3,7,8-TCDF	1.44	ng/kg		J	13L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	OCDD	5680	ng/kg	E	J	20
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total HxCDD	178	ng/kg	EMPC	J	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total HxCDF	159	ng/kg	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total PeCDD	17.2	ng/kg	EMPC	J	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total PeCDF	43.8	ng/kg	EMPC	J	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total TCDD	6.56	ng/kg	EMPC	J	25
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA 1613B	Total TCDF	20.6	ng/kg	EMPC	J	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	1,2,3,4,6,7,8-HpCDF	115	ng/kg		J	10H
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	2,3,4,7,8-PeCDF	1.87	ng/kg	EMPC	U	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	2,3,7,8-TCDD	0.883	ng/kg	JEMPC	U	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	OCDD	5300	ng/kg	E	J	20
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	Total HpCDF	361	ng/kg	EMPC	J	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	Total PeCDD	17.2	ng/kg	EMPC	J	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	Total PeCDF	46.8	ng/kg	EMPC	J	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	Total TCDD	7.93	ng/kg	EMPC	J	25
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA 1613B	Total TCDF	21.3	ng/kg	EMPC	J	25
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	4,4'-DDD	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	4,4'-DDE	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	4,4'-DDT	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Aldrin	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	alpha-BHC	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	beta-BHC	3.8	ug/kg	Y	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	cis-Chlordane	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	delta-BHC	7.5	ug/kg	Y	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Dieldrin	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endosulfan I	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endosulfan II	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endosulfan Sulfate	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endrin	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endrin Aldehyde	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Endrin Ketone	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	gamma-BHC (Lindane)	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Heptachlor	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Heptachlor Epoxide	4.8	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Hexachlorobenzene	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Hexachlorobutadiene	4.8	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Methoxychlor	24	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	Toxaphene	480	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8081B	trans-Chlordane	2.4	ug/kg	U	DNR	11
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	4,4'-DDD	97	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	Aldrin	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	alpha-BHC	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	cis-Chlordane	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	delta-BHC	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	gamma-BHC (Lindane)	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	Heptachlor	48	ug/kg	U	UJ	10L
WT81	AM-VT-INF-20130612-S	13-12636-WT81ADL	SW8081B	Hexachlorobenzene	97	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	4,4'-DDD	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	4,4'-DDE	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	4,4'-DDT	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Aldrin	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	alpha-BHC	9.0	ug/kg	Y	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	beta-BHC	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	cis-Chlordane	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	delta-BHC	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Dieldrin	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endosulfan I	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endosulfan II	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endosulfan Sulfate	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endrin	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endrin Aldehyde	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Endrin Ketone	6.7	ug/kg	Y	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	gamma-BHC (Lindane)	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Heptachlor	2.4	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Heptachlor Epoxide	4.9	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Hexachlorobenzene	8.2	ug/kg	Y	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Hexachlorobutadiene	4.9	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Methoxychlor	24	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	Toxaphene	490	ug/kg	U	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8081B	trans-Chlordane	4.2	ug/kg	Y	DNR	11
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	4,4'-DDD	98	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	Aldrin	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	alpha-BHC	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	cis-Chlordane	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	delta-BHC	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	gamma-BHC (Lindane)	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	Heptachlor	49	ug/kg	U	UJ	10L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81BDL	SW8081B	Hexachlorobenzene	98	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	4,4'-DDD	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	4,4'-DDE	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	4,4'-DDT	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Aldrin	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	alpha-BHC	7.6	ug/kg	Y	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	beta-BHC	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	cis-Chlordane	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	delta-BHC	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Dieldrin	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endosulfan I	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endosulfan II	42	ug/kg	Y	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endosulfan Sulfate	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endrin	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endrin Aldehyde	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Endrin Ketone	24	ug/kg	Y	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	gamma-BHC (Lindane)	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Heptachlor	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Heptachlor Epoxide	12	ug/kg	Y	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Hexachlorobenzene	9.9	ug/kg	Y	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Hexachlorobutadiene	4.9	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Methoxychlor	24	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	Toxaphene	490	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8081B	trans-Chlordane	2.4	ug/kg	U	DNR	11
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	4,4'-DDD	98	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	Aldrin	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	alpha-BHC	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	cis-Chlordane	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	delta-BHC	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	Endrin	98	ug/kg	U	UJ	8L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	gamma-BHC (Lindane)	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	Heptachlor	49	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	Hexachlorobenzene	98	ug/kg	U	UJ	10L
WT81	AM-FD-01-20130612-S	13-12638-WT81CDL	SW8081B	Methoxychlor	490	ug/kg	U	UJ	8L
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8270D	2,4-Dinitrophenol	5900	ug/kg	U	UJ	5BL
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8270D	Benzoic Acid	2800	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	2,4-Dinitrophenol	9100	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	3,3'-Dichlorobenzidine	1600	ug/kg	U	R	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	3-Nitroaniline	1100	ug/kg	U	R	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	4-Chloroaniline	2900	ug/kg	U	R	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	4-Nitroaniline	1100	ug/kg	U	UJ	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Aniline	5800	ug/kg	U	R	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Benzo(g,h,i)perylene	960	ug/kg		J	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Benzoic Acid	4300	ug/kg	U	UJ	5BL
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Fluoranthene	5800	ug/kg		J	8H
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Hexachlorocyclopentadiene	4300	ug/kg	U	R	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270D	Indeno(1,2,3-cd)pyrene	580	ug/kg		J	8L
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8270D	2,4-Dinitrophenol	9100	ug/kg	U	UJ	5BL
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8270D	Benzoic Acid	4300	ug/kg	U	UJ	5BL
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8270DSIM	Butylbenzylphthalate	1500	ug/kg	EQ	J	20

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	SW8270DSIM	Diethylphthalate	52	ug/kg	B	U	7
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	SW8270DSIM	Diethylphthalate	64	ug/kg	B	U	7
WT81	AM-FD-01-20130612-S	13-12638-WT81C	SW8270DSIM	Diethylphthalate	120	ug/kg	B	U	7
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L
WT81	AM-VT-INF-20130612-S	13-12636-WT81A	EPA200.8	Silver	0.5	mg/kg	U	UJ	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L
WT81	AM-SF4-EFF-20130612-S	13-12637-WT81B	EPA200.8	Silver	1.5	mg/kg		J	8L
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA200.8	Antimony	0.5	mg/kg	U	UJ	8L
WT81	AM-FD-01-20130612-S	13-12638-WT81C	EPA200.8	Silver	1.4	mg/kg		J	8L
WU65	LF-TP-001-20130619-W	13-13119-WU65A	SW8081B	delta-BHC	0.050	ug/L	U	UJ	10L
WU65	LF-FD-001-20130619-W	13-13120-WU65B	SW8081B	delta-BHC	0.050	ug/L	U	UJ	10L
WU65	LF-TP-001-20130619-W	13-13119-WU65A	SW8270D	1,2-Diphenylhydrazine	1.0	ug/L	U	R	10L
WU65	LF-TP-001-20130619-W	13-13119-WU65A	SW8270D	Azobenzene	1.0	ug/L	U	R	10L
WU65	LF-FD-001-20130619-W	13-13120-WU65B	SW8270D	1,2-Diphenylhydrazine	1.0	ug/L	U	R	10L
WU65	LF-FD-001-20130619-W	13-13120-WU65B	SW8270D	Azobenzene	1.0	ug/L	U	R	10L
WU65	LF-TP-001-20130619-W	13-13124-WU65C	E200.8	Silver	0.2	ug/L	U	UJ	8L
WU65	LF-FD-001-20130619-W	13-13125-WU65D	E200.8	Silver	0.2	ug/L	U	UJ	8L
WU70	LF-QC-TB-20130619-W	13-13121-WU70A	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8260C	2-Chloroethylvinylether	7.4	ug/kg	U	R	5A
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	1,2,3,4,6,7,8-HpCDF	3.39	ng/kg	B	J	10H
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.455	ng/kg	JEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	1,2,3,4,7,8-HxCDD	0.527	ng/kg	JEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	1,2,3,7,8-PeCDF	0.45	ng/kg	JXEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	2,3,4,7,8-PeCDF	0.517	ng/kg	JEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	2,3,7,8-TCDD	0.259	ng/kg	JEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	OCDF	8.71	ng/kg	BEMPC	U	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total HpCDF	9.18	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total HxCDD	12.8	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total HxCDF	6.73	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total PeCDD	7.07	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total PeCDF	7.43	ng/kg	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total TCDD	5.9	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA 1613B	Total TCDF	7.4	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	1,2,3,4,6,7,8-HpCDF	4.41	ng/kg	B	J	10H
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	1,2,3,4,7,8-HxCDD	0.329	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	1,2,3,4,7,8-HxCDF	0.752	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	1,2,3,7,8-PeCDD	0.3	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	2,3,4,7,8-PeCDF	0.31	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	2,3,7,8-TCDD	0.214	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	2,3,7,8-TCDF	0.489	ng/kg	JEMPC	U	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total HpCDF	13.3	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total HxCDD	15.5	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total HxCDF	8.06	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total PeCDD	8.02	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total PeCDF	5.49	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total TCDD	5.66	ng/kg	EMPC	J	25
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA 1613B	Total TCDF	4.37	ng/kg	EMPC	J	25
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	4,4'-DDD	4.9	ug/kg	U	UJ	8L,10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	Aldrin	2.4	ug/kg	U	UJ	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	alpha-BHC	2.4	ug/kg	U	UJ	10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	cis-Chlordane	2.4	ug/kg	U	UJ	8L,10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	delta-BHC	2.4	ug/kg	U	UJ	8L,10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	Dieldrin	4.9	ug/kg	U	UJ	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	Endosulfan Sulfate	4.9	ug/kg	U	UJ	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	Methoxychlor	24	ug/kg	U	UJ	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8081B	trans-Chlordane	2.4	ug/kg	U	UJ	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8081B	4,4'-DDD	5.0	ug/kg	U	UJ	10L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8081B	alpha-BHC	2.5	ug/kg	U	UJ	10L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8081B	cis-Chlordane	2.5	ug/kg	U	UJ	10L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8081B	delta-BHC	2.5	ug/kg	U	UJ	10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8082A	Aroclor 1248	5.8	ug/kg	Y	U	22
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8082A	Aroclor 1248	12	ug/kg	Y	U	22

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8270D	Aniline	540	ug/kg	U	R	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270D	3,3'-Dichlorobenzidine	150	ug/kg	U	R	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270D	4-Chloroaniline	260	ug/kg	U	UJ	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270D	Aniline	530	ug/kg	U	R	8L,10L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270D	Benzoic Acid	390	ug/kg	U	R	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270D	Hexachlorocyclopentadiene	390	ug/kg	U	R	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW8270DSIM	Diethylphthalate	5.0	ug/kg	U	UJ	10L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW8270DSIM	Diethylphthalate	4.9	ug/kg	U	UJ	10L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	EPA200.8	Antimony	0.3	mg/kg	U	UJ	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	EPA200.8	Antimony	0.5	mg/kg		J	8L
WU70	LF-TP-001-20130619-S	13-13122-WU70B	SW6010C	Zinc	241	mg/kg		J	8L
WU70	LF-LS-004-20130619-S	13-13123-WU70C	SW6010C	Zinc	584	mg/kg		J	8L
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1,1,2-Tetrachloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1,1-Trichloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1,2,2-Tetrachloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1,2-Trichloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1-Dichloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1-Dichloroethene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,1-Dichloropropene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2,3-Trichlorobenzene	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2,3-Trichloropropane	1.1	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2,4-Trichlorobenzene	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2,4-Trimethylbenzene	32	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2-Dibromo-3-chloropropane	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2-Dibromoethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2-Dichlorobenzene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2-Dichloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,2-Dichloropropane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,3,5-Trimethylbenzene	20	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,3-Dichlorobenzene	0.5	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,3-Dichloropropane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	1,4-Dichlorobenzene	9.4	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	2,2-Dichloropropane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	2-Butanone	28	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	2-Chloroethylvinylether	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	2-Chlorotoluene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	2-Hexanone	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	4-Chlorotoluene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	4-Isopropyltoluene	9.2	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	4-Methyl-2-Pentanone (MIBK)	17	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Acetone	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Acrolein	27	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Acrylonitrile	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Benzene	3.4	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromobenzene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromochloromethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromodichloromethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromoethane	1.1	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromoform	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Bromomethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Carbon Disulfide	17	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Carbon Tetrachloride	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Chlorobenzene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Chloroethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Chloroform	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Chloromethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	cis-1,2-Dichloroethene	0.6	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	cis-1,3-Dichloropropene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Dibromochloromethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Dibromomethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Dichlorodifluoromethane	0.5	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Ethylbenzene	15	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Hexachlorobutadiene	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Iodomethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Isopropylbenzene	4.3	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	m,p-Xylene	26	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Methyl tert-Butyl Ether	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Methylene Chloride	1.1	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Naphthalene	7.9	ug/kg	B	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	n-Butylbenzene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	n-Propylbenzene	3.8	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	o-Xylene	19	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	sec-Butylbenzene	3.4	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Styrene	1.5	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	tert-Butylbenzene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Tetrachloroethene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Toluene	13	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	trans-1,2-Dichloroethene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	trans-1,3-Dichloropropene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	trans-1,4-Dichloro-2-butene	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Trichloroethene	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Trichlorofluoromethane	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Vinyl Acetate	2.7	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67A	SW8260C	Vinyl Chloride	0.5	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,1,2,2-Tetrachloroethane	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2,3-Trichlorobenzene	4.5	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2,3-Trichloropropane	1.8	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2,4-Trichlorobenzene	4.5	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2,4-Trimethylbenzene	15	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2-Dibromo-3-chloropropane	4.5	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,2-Dichlorobenzene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,3,5-Trimethylbenzene	6.3	ug/kg		J	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,3-Dichlorobenzene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	1,4-Dichlorobenzene	1.0	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	2-Chloroethylvinylether	4.5	ug/kg	U	R	5A
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	2-Chlorotoluene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	4-Chlorotoluene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	4-Isopropyltoluene	8.7	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Bromobenzene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Bromoform	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Hexachlorobutadiene	4.5	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Isopropylbenzene	2.2	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Naphthalene	12	ug/kg	B	J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	n-Butylbenzene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	n-Propylbenzene	2.4	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	sec-Butylbenzene	2.9	ug/kg		J	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	tert-Butylbenzene	0.9	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	Toluene	210	ug/kg	E	DNR	20
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL	SW8260C	trans-1,4-Dichloro-2-butene	4.5	ug/kg	U	UJ	19
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1,1,2-Tetrachloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1,1-Trichloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1,2,2-Tetrachloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	110	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1,2-Trichloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1-Dichloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1-Dichloroethene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,1-Dichloropropene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2,3-Trichlorobenzene	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2,3-Trichloropropane	110	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2,4-Trichlorobenzene	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2,4-Trimethylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2-Dibromo-3-chloropropane	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2-Dibromoethane	54	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2-Dichlorobenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2-Dichloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,2-Dichloropropane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,3,5-Trimethylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,3-Dichlorobenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,3-Dichloropropane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	1,4-Dichlorobenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	2,2-Dichloropropane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	2-Butanone	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	2-Chloroethylvinylether	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	2-Chlorotoluene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	2-Hexanone	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	4-Chlorotoluene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	4-Isopropyltoluene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	4-Methyl-2-Pentanone (MIBK)	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Acetone	550	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Acrolein	2700	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Acrylonitrile	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Benzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromobenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromochloromethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromodichloromethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromoethane	110	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromoform	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Bromomethane	110	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Carbon Disulfide	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Carbon Tetrachloride	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Chlorobenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Chloroethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Chloroform	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Chloromethane	54	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	cis-1,2-Dichloroethene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	cis-1,3-Dichloropropene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Dibromochloromethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Dibromomethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Dichlorodifluoromethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Ethylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Hexachlorobutadiene	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Iodomethane	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Isopropylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	m,p-Xylene	110	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Methyl tert-Butyl Ether	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Methylene Chloride	120	ug/kg	QB	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Naphthalene	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	n-Butylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	n-Propylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	o-Xylene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	sec-Butylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Styrene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	tert-Butylbenzene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Tetrachloroethene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	trans-1,2-Dichloroethene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	trans-1,3-Dichloropropene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	trans-1,4-Dichloro-2-butene	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Trichloroethene	54	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Trichlorofluoromethane	66	ug/kg		DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Vinyl Acetate	270	ug/kg	U	DNR	11
WV67	UP-CB-B8-20130626-S	13-13657-WV67ADL2	SW8260C	Vinyl Chloride	54	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,1,2,2-Tetrachloroethane	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2,3-Trichlorobenzene	3.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2,3-Trichloropropane	1.5	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2,4-Trichlorobenzene	3.8	ug/kg	U	UJ	19

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2,4-Trimethylbenzene	6.1	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2-Dibromo-3-chloropropane	3.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,2-Dichlorobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,3,5-Trimethylbenzene	2.2	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,3-Dichlorobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	1,4-Dichlorobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	2-Chloroethylvinylether	3.8	ug/kg	U	R	5A
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	2-Chlorotoluene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	4-Chlorotoluene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	4-Isopropyltoluene	2.0	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	Bromobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	Bromoform	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	Hexachlorobutadiene	3.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	Isopropylbenzene	1.0	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	Naphthalene	3.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	n-Butylbenzene	1.8	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	n-Propylbenzene	1.2	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	sec-Butylbenzene	1.2	ug/kg		J	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	tert-Butylbenzene	0.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67B	SW8260C	trans-1,4-Dichloro-2-butene	3.8	ug/kg	U	UJ	19
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1,1,2-Tetrachloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1,1-Trichloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1,2,2-Tetrachloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1,2-Trichloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1-Dichloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1-Dichloroethene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,1-Dichloropropene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2,3-Trichlorobenzene	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2,3-Trichloropropane	1.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2,4-Trichlorobenzene	3.4	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2,4-Trimethylbenzene	5.0	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2-Dibromo-3-chloropropane	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2-Dibromoethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2-Dichloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,2-Dichloropropane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,3,5-Trimethylbenzene	1.7	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,3-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,3-Dichloropropane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	1,4-Dichlorobenzene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	2,2-Dichloropropane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	2-Butanone	24	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	2-Chloroethylvinylether	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	2-Chlorotoluene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	2-Hexanone	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	4-Chlorotoluene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	4-Isopropyltoluene	2.5	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	4-Methyl-2-Pentanone (MIBK)	42	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Acetone	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Acrolein	34	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Acrylonitrile	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Benzene	1.0	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromobenzene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromochloromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromodichloromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromoethane	1.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromoform	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Bromomethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Carbon Disulfide	6.2	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Carbon Tetrachloride	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Chlorobenzene	0.7	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Chloroethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Chloroform	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Chloromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	cis-1,2-Dichloroethene	0.5	ug/kg	J	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	cis-1,3-Dichloropropene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Dibromochloromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Dibromomethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Dichlorodifluoromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Ethylbenzene	1.8	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Hexachlorobutadiene	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Iodomethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Isopropylbenzene	0.8	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	m,p-Xylene	3.0	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Methyl tert-Butyl Ether	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Methylene Chloride	1.4	ug/kg	B	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Naphthalene	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	n-Butylbenzene	2.2	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	n-Propylbenzene	1.1	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	o-Xylene	2.6	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	sec-Butylbenzene	1.8	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Styrene	0.9	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	tert-Butylbenzene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Tetrachloroethene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Toluene	16	ug/kg		DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	trans-1,2-Dichloroethene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	trans-1,3-Dichloropropene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	trans-1,4-Dichloro-2-butene	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Trichloroethene	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Trichlorofluoromethane	0.7	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Vinyl Acetate	3.4	ug/kg	U	DNR	11
WV67	UP-MHF-165-20130626-S	13-13658-WV67BDL	SW8260C	Vinyl Chloride	0.7	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,1,2,2-Tetrachloroethane	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2,3-Trichlorobenzene	4.1	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2,3-Trichloropropane	1.6	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2,4-Trichlorobenzene	4.1	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2,4-Trimethylbenzene	23	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2-Dibromo-3-chloropropane	4.1	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,2-Dichlorobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,3,5-Trimethylbenzene	11	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,3-Dichlorobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	1,4-Dichlorobenzene	0.9	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	2-Chloroethylvinylether	4.1	ug/kg	U	R	5A
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	2-Chlorotoluene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	4-Chlorotoluene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	4-Isopropyltoluene	5.2	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Bromobenzene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Bromoform	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Hexachlorobutadiene	4.1	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Iodomethane	0.7	ug/kg	J	J	5A,5BH
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Isopropylbenzene	33	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	Naphthalene	4.5	ug/kg	B	UJ	7,19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	n-Butylbenzene	5.4	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	n-Propylbenzene	17	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	sec-Butylbenzene	7.8	ug/kg		J	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	tert-Butylbenzene	0.8	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67C	SW8260C	trans-1,4-Dichloro-2-butene	4.1	ug/kg	U	UJ	19
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1,1,2-Tetrachloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1,1-Trichloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1,2,2-Tetrachloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1,2-Trichloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1-Dichloroethane	1.0	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1-Dichloroethene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,1-Dichloropropene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2,3-Trichlorobenzene	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2,3-Trichloropropane	1.9	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2,4-Trichlorobenzene	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2,4-Trimethylbenzene	22	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2-Dibromo-3-chloropropane	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2-Dibromoethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2-Dichlorobenzene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2-Dichloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,2-Dichloropropane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,3,5-Trimethylbenzene	9.9	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,3-Dichlorobenzene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,3-Dichloropropane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	1,4-Dichlorobenzene	1.0	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	2,2-Dichloropropane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	2-Butanone	56	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	2-Chloroethylvinylether	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	2-Chlorotoluene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	2-Hexanone	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	4-Chlorotoluene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	4-Isopropyltoluene	7.5	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	4-Methyl-2-Pentanone (MIBK)	93	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Acetone	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Acrolein	48	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Acrylonitrile	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Benzene	2.9	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromobenzene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromochloromethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromodichloromethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromoethane	1.9	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromoform	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Bromomethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Carbon Disulfide	12	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Carbon Tetrachloride	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Chlorobenzene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Chloroethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Chloroform	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Chloromethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	cis-1,2-Dichloroethene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	cis-1,3-Dichloropropene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Dibromochloromethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Dibromomethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Dichlorodifluoromethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Ethylbenzene	18	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Hexachlorobutadiene	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Iodomethane	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Isopropylbenzene	5.6	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	m,p-Xylene	17	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Methyl tert-Butyl Ether	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Methylene Chloride	1.9	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Naphthalene	6.7	ug/kg	B	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	n-Butylbenzene	4.4	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	n-Propylbenzene	4.1	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	o-Xylene	12	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	sec-Butylbenzene	5.4	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Styrene	4.9	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	tert-Butylbenzene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Tetrachloroethene	1.2	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Toluene	35	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	trans-1,2-Dichloroethene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	trans-1,3-Dichloropropene	1.0	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	trans-1,4-Dichloro-2-butene	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Trichloroethene	1.0	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Trichlorofluoromethane	1.7	ug/kg		DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Vinyl Acetate	4.8	ug/kg	U	DNR	11
WV67	UP-CB-A6-20130626-S	13-13659-WV67CDL	SW8260C	Vinyl Chloride	1.0	ug/kg	U	DNR	11
WV67	UP-TB-01-20130626-W	13-13660-WV67D	SW8260C	2-Chloroethylvinylether	5.0	ug/L	U	R	1
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	1,2,4-Trichlorobenzene	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	1,2-Diphenylhydrazine	1.0	ug/L	U	R	10L
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	2,4-Dichlorophenol	3.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	2,4-Dimethylphenol	3.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	2-Methylnaphthalene	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	2-Nitrophenol	3.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	4-Chloro-3-methylphenol	3.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	4-Chloroaniline	5.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Azobenzene	1.0	ug/L	U	R	10L
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Benzoic Acid	110	ug/L		J	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	bis(2-Chloroethoxy) Methane	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Diethylphthalate	0.8	ug/L	J	U	6
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Hexachlorobutadiene	3.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Isophorone	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Naphthalene	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270D	Nitrobenzene	1.0	ug/L	U	UJ	19
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1,2,4-Trichlorobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1,2-Dichlorobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1,2-Diphenylhydrazine	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1,3-Dichlorobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1,4-Dichlorobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	1-Methylnaphthalene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,2'-Oxybis(1-Chloropropane)	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,3,4,6-Tetrachlorophenol	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4,5-Trichlorophenol	15	ug/L	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4,6-Trichlorophenol	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4-Dichlorophenol	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4-Dimethylphenol	2.3	ug/L	J	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4-Dinitrophenol	60	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,4-Dinitrotoluene	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2,6-Dinitrotoluene	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Chloronaphthalene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Chlorophenol	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Methylnaphthalene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Methylphenol	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Nitroaniline	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	2-Nitrophenol	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	3,3'-Dichlorobenzidine	15	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	3-Nitroaniline	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4,6-Dinitro-2-Methylphenol	30	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Bromophenyl-phenylether	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Chloro-3-methylphenol	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Chloroaniline	15	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Chlorophenyl-phenylether	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Methylphenol	3.6	ug/L	J	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Nitroaniline	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	4-Nitrophenol	30	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Acenaphthene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Acenaphthylene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Aniline	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Anthracene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Azobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Benzo(a)anthracene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Benzo(a)pyrene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Benzo(g,h,i)perylene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Benzoic Acid	42	ug/L	J	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Benzyl Alcohol	6.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	bis(2-Chloroethoxy) Methane	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Bis-(2-Chloroethyl) Ether	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	bis(2-Ethylhexyl)phthalate	12	ug/L		DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Butylbenzylphthalate	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Carbazole	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Chrysene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Dibenz(a,h)anthracene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Dibenzofuran	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Diethylphthalate	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Dimethylphthalate	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Di-n-Butylphthalate	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Di-n-Octyl phthalate	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Fluoranthene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Fluorene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Hexachlorobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Hexachlorobutadiene	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Hexachlorocyclopentadiene	15	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Hexachloroethane	6.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Indeno(1,2,3-cd)pyrene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Isophorone	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Naphthalene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Nitrobenzene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	N-Nitrosodimethylamine	9.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	N-Nitroso-Di-N-Propylamine	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	N-Nitrosodiphenylamine	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Pentachlorophenol	30	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Phenanthrene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Phenol	4.4	ug/L		DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Pyrene	3.0	ug/L	U	DNR	11
WV67	UP-CB-B8-20130626-W	13-13661-WV67EDL	SW8270D	Total Benzofluoranthenes	15	ug/L	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270DSIM	2-Methylnaphthalene	0.012	ug/L		U	6
WV67	UP-CB-B8-20130626-W	13-13661-WV67E	SW8270DSIM	Naphthalene	0.017	ug/L		U	6
WV95	UP-CB-B8-20130626-W	13-13818-WV95A	SW8081B	delta-BHC	0.050	ug/L	U	UJ	10L
WV95	UP-CB-B8-20130626-W	13-13818-WV95A	SW8081B	Endosulfan I	0.13	ug/L	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	1,2,3,7,8-PeCDF	2.26	ng/kg	X	J	23H
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	OCDD	6500	ng/kg	E	J	20
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	Total HpCDF	409	ng/kg	EMPC	J	25
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	Total HxCDF	177	ng/kg	EMPC	J	25
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	Total PeCDF	81.5	ng/kg	EMPC	J	25
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	Total TCDD	14.1	ng/kg	EMPC	J	25
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	EPA 1613B	Total TCDF	59.9	ng/kg	EMPC	J	25
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	4,4'-DDD	16	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	4,4'-DDE	4.8	ug/kg	U	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	4,4'-DDT	7.5	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Aldrin	13	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	beta-BHC	5.9	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	cis-Chlordane	16	ug/kg	Y	UJ	5BL,22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	delta-BHC	5.1	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Dieldrin	140	ug/kg	Y	UJ	5BL,22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Endosulfan I	4.9	ug/kg	Y	UJ	5BL,22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Endrin	4.8	ug/kg	U	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Endrin Ketone	4.8	ug/kg	U	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	gamma-BHC (Lindane)	3.5	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Heptachlor	5.5	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Heptachlor Epoxide	34	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	Hexachlorobenzene	6.0	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8081B	trans-Chlordane	15	ug/kg	Y	U	22
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8081B	cis-Chlordane	2.4	ug/kg	U	UJ	5BL
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8081B	delta-BHC	2.4	ug/kg	U	U	22
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8081B	Dieldrin	4.9	ug/kg	U	UJ	5BL
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8081B	Endosulfan I	2.4	ug/kg	U	UJ	5BL

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	4,4'-DDT	4.9	ug/kg	U	UJ	8
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Aldrin	21	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	beta-BHC	4.6	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	cis-Chlordane	2.5	ug/kg	U	UJ	5BL
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	delta-BHC	7.2	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Dieldrin	22	ug/kg	Y	UJ	5BL,22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Endosulfan I	2.5	ug/kg	U	UJ	5BL
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Endosulfan II	4.9	ug/kg	U	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Endrin	4.9	ug/kg	U	UJ	8L
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Endrin Aldehyde	4.9	ug/kg	U	UJ	8L
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Endrin Ketone	4.9	ug/kg	U	UJ	8,22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	gamma-BHC (Lindane)	3.2	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Heptachlor	5.8	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Heptachlor Epoxide	9.0	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Hexachlorobenzene	10	ug/kg	Y	U	22
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	Methoxychlor	25	ug/kg	U	UJ	8
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8081B	trans-Chlordane	7.6	ug/kg	Y	U	22
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	3,3'-Dichlorobenzidine	620	ug/kg	U	R	8L,10L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	3-Nitroaniline	620	ug/kg	U	R	8L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	4-Chloroaniline	620	ug/kg	U	R	8L,10L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	4-Nitroaniline	620	ug/kg	U	R	8L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	Aniline	620	ug/kg	U	R	8L,10L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	bis(2-Ethylhexyl)phthalate	59000	ug/kg	E	DNR	20
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	Carbazole	610	ug/kg		J	8H,10H
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	Di-n-Octyl phthalate	580	ug/kg		J	9
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	Hexachlorocyclopentadiene	620	ug/kg	U	R	8L
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270D	Phenol	180	ug/kg	B	U	7
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	1,2,4-Trichlorobenzene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	1,2-Dichlorobenzene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	1,3-Dichlorobenzene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	1,4-Dichlorobenzene	1200	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	1-Methylnaphthalene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,2'-Oxybis(1-Chloropropane)	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4,5-Trichlorophenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4,6-Trichlorophenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4-Dichlorophenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4-Dimethylphenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4-Dinitrophenol	12000	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,4-Dinitrotoluene	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2,6-Dinitrotoluene	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Chloronaphthalene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Chlorophenol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Methylnaphthalene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Methylphenol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Nitroaniline	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	2-Nitrophenol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	3,3'-Dichlorobenzidine	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	3-Nitroaniline	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4,6-Dinitro-2-Methylphenol	12000	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Bromophenyl-phenylether	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Chloro-3-methylphenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Chloroaniline	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Chlorophenyl-phenylether	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Methylphenol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Nitroaniline	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	4-Nitrophenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Acenaphthene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Acenaphthylene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Aniline	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Anthracene	740	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Benzo(a)anthracene	680	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Benzo(a)pyrene	1200	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Benzo(g,h,i)perylene	680	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Benzoic Acid	12000	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Benzyl Alcohol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	bis(2-Chloroethoxy) Methane	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Bis-(2-Chloroethyl) Ether	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Butylbenzylphthalate	15000	ug/kg		DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Carbazole	860	ug/kg	JQ	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Chrysene	1300	ug/kg		DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Dibenz(a,h)anthracene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Dibenzofuran	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Diethylphthalate	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Dimethylphthalate	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Di-n-Butylphthalate	680	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Di-n-Octyl phthalate	740	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Fluoranthene	3200	ug/kg		DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Fluorene	860	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Hexachlorobenzene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Hexachlorobutadiene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Hexachlorocyclopentadiene	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Hexachloroethane	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Indeno(1,2,3-cd)pyrene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Isophorone	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Naphthalene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Nitrobenzene	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	N-Nitrosodimethylamine	2500	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	N-Nitroso-Di-N-Propylamine	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	N-Nitrosodiphenylamine	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Pentachlorophenol	6200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Phenanthrene	4100	ug/kg		DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Phenol	1200	ug/kg	U	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Pyrene	2900	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-B8-20130626-S	13-15393-WY32ADL	SW8270D	Total Benzofluoranthenes	1200	ug/kg	J	DNR	11
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270D	3,3'-Dichlorobenzidine	290	ug/kg	U	R	10L
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270D	4-Chloroaniline	290	ug/kg	U	R	10L
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270D	Aniline	290	ug/kg	U	R	10L
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270D	Carbazole	160	ug/kg		J	10H
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270D	Phenol	47	ug/kg	J	U	7
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	3,3'-Dichlorobenzidine	710	ug/kg	U	R	10L
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	4-Chloroaniline	710	ug/kg	U	R	10L
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	Aniline	710	ug/kg	U	R	10L
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	bis(2-Ethylhexyl)phthalate	52000	ug/kg	E	DNR	20
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	Carbazole	350	ug/kg		J	10H
WY32	UP-CB-A6-20130626-S	13-15395-WY32C	SW8270D	Phenol	180	ug/kg	B	U	7
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	1,2,4-Trichlorobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	1,2-Dichlorobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	1,3-Dichlorobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	1,4-Dichlorobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	1-Methylnaphthalene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,2'-Oxybis(1-Chloropropane)	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4,5-Trichlorophenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4,6-Trichlorophenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4-Dichlorophenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4-Dimethylphenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4-Dinitrophenol	14000	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,4-Dinitrotoluene	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2,6-Dinitrotoluene	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Chloronaphthalene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Chlorophenol	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Methylnaphthalene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Methylphenol	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Nitroaniline	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	2-Nitrophenol	1400	ug/kg	U	DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	3,3'-Dichlorobenzidine	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	3-Nitroaniline	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4,6-Dinitro-2-Methylphenol	14000	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Bromophenyl-phenylether	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Chloro-3-methylphenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Chloroaniline	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Chlorophenyl-phenylether	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Methylphenol	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Nitroaniline	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	4-Nitrophenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Acenaphthene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Acenaphthylene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Aniline	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Anthracene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Benzo(a)anthracene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Benzo(a)pyrene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Benzo(g,h,i)perylene	920	ug/kg	J	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Benzoic Acid	14000	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Benzyl Alcohol	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	bis(2-Chloroethoxy) Methane	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Bis-(2-Chloroethyl) Ether	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Butylbenzylphthalate	1800	ug/kg		DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Carbazole	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Chrysene	1100	ug/kg	J	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Dibenz(a,h)anthracene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Dibenzofuran	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Diethylphthalate	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Dimethylphthalate	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Di-n-Butylphthalate	1100	ug/kg	J	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Di-n-Octyl phthalate	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Fluoranthene	2100	ug/kg		DNR	11

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Fluorene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Hexachlorobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Hexachlorobutadiene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Hexachlorocyclopentadiene	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Hexachloroethane	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Indeno(1,2,3-cd)pyrene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Isophorone	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Naphthalene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Nitrobenzene	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	N-Nitrosodimethylamine	2800	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	N-Nitroso-Di-N-Propylamine	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	N-Nitrosodiphenylamine	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Pentachlorophenol	7100	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Phenanthrene	2000	ug/kg		DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Phenol	1400	ug/kg	U	DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Pyrene	2500	ug/kg		DNR	11
WY32	UP-CB-A6-20130626-S	13-15395-WY32CDL	SW8270D	Total Benzofluoranthenes	1100	ug/kg	J	DNR	11
WY32	UP-CB-B8-20130626-S	13-15393-WY32A	SW8270DSIM	Butylbenzylphthalate	13000	ug/kg	E	J	20
WY32	UP-MHF-165-20130626-S	13-15394-WY32B	SW8270DSIM	Dimethylphthalate	5800	ug/kg	E	J	20
WY32	UP-CB-B8-20130626-W	13-15396-WY32D	E200.8	Silver	0.2	ug/L	U	UJ	8L
WY32	UP-CB-B8-20130626-W	13-15396-WY32D	E200.8	Silver	0.2	ug/L	U	UJ	8L
WY32	UP-CB-B8-20130626-W	13-15397-WY32E	E200.8	Silver	0.2	ug/L	U	UJ	8L
WY32	UP-CB-B8-20130626-W	13-15396-WY32D	SM5310B	Total Organic Carbon	65.7	mg/L		J	1
WY32	UP-CB-B8-20130626-W	13-15396-WY32D	SM5310B	Total Organic Carbon	65.7	mg/L		J	1
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-002	9.59	pg/L	J EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-055	38.1	pg/L	EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-089	42.3	pg/L	EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-108	108	pg/L	EMPC C	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-122	39	pg/L	EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-139	56.1	pg/L	EMPC C	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-143	12.3	pg/L	EMPC	U	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-154	37.1	pg/L	EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-176	34.6	pg/L	EMPC	U	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	PCB-209	37.9	pg/L		J	13L
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	Total Heptachlorobiphenyls	3230	pg/L	EMPC	J	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	Total Hexachlorobiphenyls	11800	pg/L	EMPC	J	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	Total Monochlorobiphenyls	69.3	pg/L	EMPC	J	25
A5781	SD-SP-01-20130326-W	A5781_11228_PCB_001-D5	1668C	Total Pentachlorobiphenyls	20700	pg/L	EMPC	J	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-011	14.5	pg/L	B	U	7
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-051	27	pg/L	B	U	7
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-060	17.6	pg/L	EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-082	4.68	pg/L	J EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-084	17.3	pg/L	EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-092	4.64	pg/L	J EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-099	11.1	pg/L	EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-105	8.1	pg/L	EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-129	13.3	pg/L	J C	U	6
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-141	2.26	pg/L	J EMPC	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	PCB-153	8.54	pg/L	J B EMPC C	U	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	Total Hexachlorobiphenyls	43.5	pg/L	EMPC	J	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	Total Pentachlorobiphenyls	248	pg/L	EMPC	J	25
A5781	GR-MH-01-20130404-W	A5781_11228_PCB_002-D5	1668C	Total Tetrachlorobiphenyls	2150	pg/L	EMPC	J	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-011	12	pg/L	B	U	7
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-051	25.2	pg/L	B	U	7
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-079	1.17	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-089	3.1	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-176	5.45	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-185	5.41	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-201	6.54	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-205	1.61	pg/L	J EMPC	U	25
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	PCB-209	4.04	pg/L	J B	U	7
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	Total Heptachlorobiphenyls	388	pg/L	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	IM-MH-01-20130410-W	A5781_11228_PCB_003	1668C	Total Octachlorobiphenyls	196	pg/L	EMPC	J	25
A5781	IM-SW-01-20130410-W	A5781_11228_PCB_004	1668C	PCB-068	17.3	pg/L	B	U	7
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-051	3.03	pg/L	J B	U	7
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-063	2.79	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-089	1.65	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-131	1.86	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-133	2.05	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-137	5.37	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-154	1.85	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-176	6.56	pg/L	J EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-194	20.1	pg/L	EMPC	U	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	PCB-209	2.33	pg/L	J B	U	7
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	Total Heptachlorobiphenyls	525	pg/L	EMPC	J	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	Total Hexachlorobiphenyls	913	pg/L	EMPC	J	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	Total Octachlorobiphenyls	97.7	pg/L	EMPC	J	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	Total Pentachlorobiphenyls	763	pg/L	EMPC	J	25
A5781	NS-OF-006-20130419-W	A5781_11228_PCB_005	1668C	Total Tetrachlorobiphenyls	762	pg/L	EMPC	J	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-008	4.43	pg/L	J B	U	7
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-025	3.53	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-051	3.19	pg/L	J B	U	7
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-063	2.4	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-117	5.11	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-133	2.55	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-154	2.07	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-178	14.3	pg/L	EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-189	2.52	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-197	1.77	pg/L	J EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	PCB-209	2.29	pg/L	J B EMPC	U	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	Total Heptachlorobiphenyls	673	pg/L	EMPC	J	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	Total Octachlorobiphenyls	132	pg/L	EMPC	J	25
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	Total Tetrachlorobiphenyls	688	pg/L	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	NS-OF-002-20130419-W	A5781_11228_PCB_006	1668C	Total Trichlorobiphenyls	267	pg/L	EMPC	J	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-051	45.2	pg/L	B	U	7
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-081	3.49	pg/L	J EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-133	8.24	pg/L	EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-154	5.93	pg/L	J EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-162	3.69	pg/L	J EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-175	9.04	pg/L	EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-191	4.56	pg/L	J EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-202	11.4	pg/L	EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-206	15.9	pg/L		J	13L
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-207	1.77	pg/L	U	UJ	13L
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	PCB-208	3.3	pg/L	J EMPC	U	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	Total Heptachlorobiphenyls	1230	pg/L	EMPC	J	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	Total Hexachlorobiphenyls	2440	pg/L	EMPC	J	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	Total Nonachlorobiphenyls	19.1	pg/L	EMPC	J	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	Total Octachlorobiphenyls	158	pg/L	EMPC	J	25
A5781	NS-MH-682-20130419-W	A5781_11228_PCB_007	1668C	Total Tetrachlorobiphenyls	6450	pg/L	EMPC	J	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-011	12.1	pg/L	B	U	7
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-044	12.3	pg/L	J B C	U	7
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-052	22.2	pg/L		U	6
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-061	5.66	pg/L	J B EMPC C	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-090	15.4	pg/L	J C	U	6
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-099	3.93	pg/L	J EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-105	3.05	pg/L	J EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-110	20.4	pg/L		U	6
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-118	6.51	pg/L	J B EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-129	17.8	pg/L	J EMPC C	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-132	5.86	pg/L	J EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-136	2.4	pg/L	J EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-153	13.1	pg/L	J C	U	6
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-174	5.1	pg/L	J EMPC	U	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-177	2.82	pg/L	EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-180	8.33	pg/L	J EMPC C	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	PCB-187	5.33	pg/L	J EMPC	U	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	Total Heptachlorobiphenyls	25.3	pg/L	EMPC	J	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	Total Hexachlorobiphenyls	66.6	pg/L	EMPC	J	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	Total Pentachlorobiphenyls	92.2	pg/L	EMPC	J	25
A5781	ES-MH-001-20130424-W	A5781_11228_PCB_008-D5	1668C	Total Tetrachlorobiphenyls	92.7	pg/L	EMPC	J	25
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-011	8.37	pg/L	B	U	7
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-052	11	pg/L		U	6
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-084	7.04	pg/L	J EMPC	U	25
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-086	7.98	pg/L	J EMPC C	U	25
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-090	14.5	pg/L	J C	U	6
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-110	19.1	pg/L		U	6
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-129	16.9	pg/L	J C	U	6
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-147	13.2	pg/L	J EMPC C	U	25
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	PCB-153	10.5	pg/L	J C	U	6
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	Total Hexachlorobiphenyls	45.7	pg/L	EMPC	J	25
A5781	KC-VT-1593-20130530-W	A5781_11231_PCB_009-D5	1668C	Total Pentachlorobiphenyls	75.5	pg/L	EMPC	J	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-022	10.6	pg/L	EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-059	2.69	pg/L	J EMPC C	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-077	3.27	pg/L	J EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-082	7.84	pg/L	J EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-102	1.89	pg/L	J EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-108	5.29	pg/L	J EMPC C	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-120	2	pg/L	J EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-139	3.4	pg/L	J EMPC C	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-154	3.21	pg/L	J EMPC	U	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	PCB-209	3.42	pg/L	J B	U	7
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	Total Hexachlorobiphenyls	2500	pg/L	EMPC	J	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	Total Pentachlorobiphenyls	775	pg/L	EMPC	J	25
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	Total Tetrachlorobiphenyls	260	pg/L	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	CL-MH-SPS-20130605-W	A5781_11231_PCB_010	1668C	Total Trichlorobiphenyls	148	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-011	47.9	pg/L	B	U	7
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-016	5.98	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-017	4.28	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-048	1.97	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-050	1.53	pg/L	J EMPC C	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-052	21.6	pg/L		U	6
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-083	3.72	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-085	5.14	pg/L	J EMPC C	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-102	1.14	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-126	1.67	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-130	16.6	pg/L	EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-131	2.28	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-137	3.48	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-175	6.41	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-197	1.78	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-208	2	pg/L	J EMPC	U	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	PCB-209	4.01	pg/L	J B	U	7
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Hexachlorobiphenyls	1600	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Nonachlorobiphenyls	15.7	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Octachlorobiphenyls	290	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Pentachlorobiphenyls	516	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Tetrachlorobiphenyls	104	pg/L	EMPC	J	25
A5781	CL-VT-EFF-20130605-W	A5781_11231_PCB_011	1668C	Total Trichlorobiphenyls	57.6	pg/L	EMPC	J	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-011	31.5	pg/L	B	U	7
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-021	9.3	pg/L	J B EMPC C	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-025	2.26	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-051	5.5	pg/L	J B	U	7
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-089	2.59	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-093	2	pg/L	J EMPC C	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-096	1.71	pg/L	J EMPC	U	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-108	7.05	pg/L	J EMPC C	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-114	2.45	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-115	5.34	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-154	3.76	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-175	2.79	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-176	9.5	pg/L	J EMPC	U	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	PCB-209	2.11	pg/L	J B	U	7
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	Total Heptachlorobiphenyls	727	pg/L	EMPC	J	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	Total Hexachlorobiphenyls	1910	pg/L	EMPC	J	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	Total Pentachlorobiphenyls	2000	pg/L	EMPC	J	25
A5781	LF-TP-001-20130619-W	A5781_11231_PCB_012	1668C	Total Trichlorobiphenyls	113	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-001	2.61	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-003	4.22	pg/L	J B EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-011	31.8	pg/L	B	U	7
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-031	6.48	pg/L	J B EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-046	4.92	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-051	3.93	pg/L	J B	U	7
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-060	2.93	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-093	1.66	pg/L	J EMPC C	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-122	2.85	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-126	3.04	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-139	4.99	pg/L	J EMPC C	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-143	1.46	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-159	2.48	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-162	0.971	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-175	2.4	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-200	3.6	pg/L	J EMPC	U	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	PCB-209	2.11	pg/L	J B	U	7
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Heptachlorobiphenyls	644	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Hexachlorobiphenyls	1620	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Monochlorobiphenyls	9.31	pg/L	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Octachlorobiphenyls	133	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Pentachlorobiphenyls	1590	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Tetrachlorobiphenyls	288	pg/L	EMPC	J	25
A5781	LF-FD-001-20130619-W	A5781_11231_PCB_013	1668C	Total Trichlorobiphenyls	61.8	pg/L	EMPC	J	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-072	6.47	pg/L	J EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-093	14	pg/L	J EMPC C	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-096	17.4	pg/L	EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-133	9.23	pg/L	J EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-144	39.7	pg/L	EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-189	5.81	pg/L	J B EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	PCB-205	4.49	pg/L	J EMPC	U	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	Total Heptachlorobiphenyls	2240	pg/L	EMPC	J	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	Total Hexachlorobiphenyls	4610	pg/L	EMPC	J	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	Total Octachlorobiphenyls	695	pg/L	EMPC	J	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	Total Pentachlorobiphenyls	7270	pg/L	EMPC	J	25
A5781	UP-CB-B8-20130626-W	A5781_11231_PCB_014-D5	1668C	Total Tetrachlorobiphenyls	13100	pg/L	EMPC	J	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-016	22.7	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-091	17.7	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-107	14.2	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-114	8.71	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-130	24	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-139	5.2	pg/L	J EMPC C	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-142	4.96	pg/L	J EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-159	7.89	pg/L	J EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-175	7.49	pg/L	J EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-196	37.3	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-200	10.8	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	PCB-206	24.9	pg/L	EMPC	U	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Heptachlorobiphenyls	1680	pg/L	EMPC	J	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Hexachlorobiphenyls	2240	pg/L	EMPC	J	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Nonachlorobiphenyls	39.6	pg/L	EMPC	J	25

Qualified Data Summary Table
LDW NPDES Investigation

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	Validation Qualifier	Validation Reason
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Octachlorobiphenyls	376	pg/L	EMPC	J	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Pentachlorobiphenyls	1440	pg/L	EMPC	J	25
A5781	NS-WS-316-20130419-W	A5781_11231_PCB_015-D5	1668C	Total Trichlorobiphenyls	472	pg/L	EMPC	J	25
A5781	QC-EB-01-20130419-W	A5781_11231_PCB_016-D5	1668C	PCB-011	18	pg/L	B	U	7
A5781	QC-EB-01-20130419-W	A5781_11231_PCB_016-D5	1668C	PCB-118	2.9	pg/L	J B EMPC	U	25
A5781	QC-EB-01-20130419-W	A5781_11231_PCB_016-D5	1668C	Total Pentachlorobiphenyls	12.8	pg/L	EMPC	J	25

Appendices