



**US Army Corps
of Engineers**
New England District

**FINAL
SEDIMENT MONITORING SUMMARY REPORT
2011 REMEDIAL DREDGING
NEW BEDFORD HARBOR SUPERFUND SITE, OU #1**

Contract No. W912WJ-09-D-0001-0010-04



Prepared For:
United States Army Corps of Engineers
New England District
696 Virginia Road
Concord, MA 01742

Prepared By:
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August 2012



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ACRONYMS

AAL	Alpha Analytical Laboratory
ASTM	American Society for Testing and Materials
CDF	Confined Disposal Facility
CSO	Combined Sewer Overflow
DF	Dilution Factor
DMU	Dredge Management Unit
EDD	Electronic Data Deliverable
EMIS	New Bedford Environmental Management Information System
EPA	US Environmental Protection Agency
ESI	EnviroSystems, Inc.
FSP	Field Sampling Plan
JE	Jacobs Engineering
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
ML	ASTM sediment classification code for Silt
ML-SM	ASTM sediment classification code for mix of Silt and Silty Sand
MS	Matrix Spike sample
MSD	Matrix Spike Duplicate sample
NEH	New Environmental Horizons, Inc.
NOAA	National Oceanic and Atmospheric Administration
OL	ASTM sediment classification code for Organic soil/sediment
PAL	Project Action Limit
PCB	Polychlorinated Biphenyls
PT	ASTM sediment classification code for Peat
PQL	Project Quantitation Limit
RL	Reporting Limit
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
SES	Sevenson Environmental Services, Inc.
SOP	Standard Operating Procedure
USACE NAE	US Army Corps of Engineers, New England District
WHG	Woods Hole Group, Inc.

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EXECUTIVE SUMMARY

Sediment sampling was conducted to monitor the progress and final results of the remediation dredging operation at the New Bedford Harbor Superfund Site during the 2011 field season. As part of this effort, 40 sediment cores were collected from 37 locations at the Site to characterize the extent of the polychlorinated biphenyl (PCB) contamination in harbor sediments. Sediment sampling occurred in November 2011 after remedial dredging activities had ceased. All analytical sediment data were validated and posted to the New Bedford Harbor Database.

Post-dredge sediment sampling was performed with two objectives: 1) to assess the sediment condition following dredging operations, relative to the target dredge elevation set for the area of interest; and 2) to confirm whether remedial dredging completed removal of PCB contaminated sediments to concentrations at or below the 10 ppm remediation criterion. Post-dredge sampling occurred in November 2011, recovering cores from 37 locations within remedial Dredge Areas N, G, K. Sediment cores were split open for internal sediment characterization and analytical sub-sample collection. The internal sediment characterization was performed to confirm the presence of the OL layer, defined as ‘organic silt, organic clay’ which historical analytical data confirms is the layer that contains the highest concentrations of PCB contaminants (Morris et al., 2011). Additionally, internal descriptions were used to determine the elevation of the transition between the OL and underlying sediment strata. The thickness of the OL layer varied by location due to natural geologic features and influence of remediation dredging but was measured between 0.0 – 0.6 feet thick at most locations. The underlying sediments were generally comprised of silt (ML) with small amounts of fine sand or peat (PT). Analytical results reveal that the OL surface layer contained Total PCB concentrations up to 3,447 mg/kg.

Eight sediment samples from Area Q (formerly the Boathouse work zone in 2010) were frozen and archived after the 2010 dredging season. These samples were removed from archive in 2011 and analyzed before the one-year expiration date of analytical viability. Analysis for Total PCBs was performed on the lower intervals (generally 2.0-3.0 foot interval) with results indicating that PCB contamination was limited to the top intervals, on average.

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1.0 INTRODUCTION

1.1 SITE LOCATION AND DESCRIPTION

The New Bedford Harbor Superfund Site, located in Bristol County, Massachusetts, extends from the shallow northern reaches of the Acushnet River estuary south through the commercial harbors of New Bedford and Fairhaven and into 17,000 adjacent acres of Buzzards Bay (Figure 1). The City of New Bedford, located along the western shore of the Site, is approximately 55 miles south of Boston. New Bedford is currently home port to a large offshore fishing fleet and is a densely populated manufacturing and commercial center. By comparison, the eastern shore of New Bedford Harbor is predominantly residential, light commercial, or salt marsh.

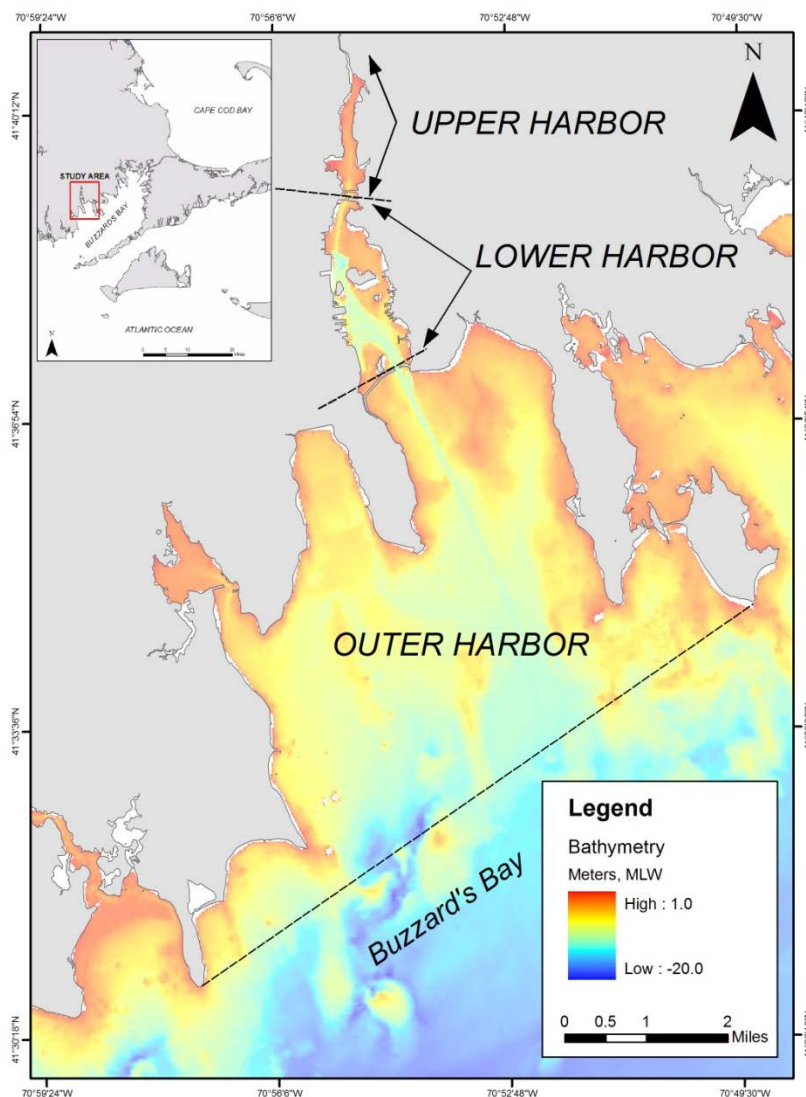


Figure 1. Basemap of New Bedford Harbor Superfund Site in Southeastern, MA

The Acushnet River's 16.5 square mile drainage basin discharges to New Bedford Harbor in the northern reaches of the Site, contributing relatively minor volumes of fresh water to the tidally influenced harbor. Numerous storm drains, combined sewer overflows (CSOs), industrial discharges, as well as smaller brooks and creeks also discharge directly to the Site. The upper and lower harbors are believed to be areas of net groundwater discharge. The estuary can be characterized as a shallow, well-mixed system.

Industrial and urban development surrounding the harbor has resulted in sediments becoming contaminated with high concentrations of many pollutants, notably polychlorinated biphenyls (PCBs) and heavy metals. Contaminant gradients within harbor sediments decrease from north to south. The sources of the contamination have been attributed to two electrical capacitor manufacturing facilities that operated between the 1940s and the 1970s. One facility, Aerovox Corporation, is located near the northern boundary of the Site, and the other, Cornell-Dubilier Electronics, Inc. is located just south of the New Bedford Harbor hurricane barrier. The two facilities are known to have discharged PCB-laden wastes either directly into the harbor or indirectly via discharges to the City's sewerage system.

Based on human health concerns and ecological risk assessments, the United States Environmental Protection Agency (USEPA) added New Bedford Harbor to the National Priorities List in 1983 as a designated Superfund Site. Through an Interagency Agreement between the USEPA and the United States Army Corps of Engineers, New England District (USACE NAE), the USACE is responsible for carrying out the design and implementation of remedial measures at the Site.

The Site has been divided into three geographic areas: the upper, lower and outer harbors, consistent with geographic features, basin morphology (Figure 1) and gradients of contamination. The Site is also defined by three state-sanctioned fishing closure areas extending approximately 6.8 miles north to south and encompassing approximately 18,000 acres in total. The upper harbor comprises approximately 187 acres, with current sediment PCB levels ranging from below detection to approximately 4,000 parts per million (ppm). Prior to the removal of the most contaminated hot spot sediments in 1994 and 1995, as part of EPA's first cleanup phase, sediment PCB levels were reported higher than 100,000 ppm in the upper harbor. The boundary between the upper and lower harbor is the Coggeshall Street Bridge; at this point the harbor is constricted to a width of approximately 100 feet. The lower harbor comprises approximately 750 acres, with current sediment PCB levels ranging from below detection to over 100 ppm. The boundary between the lower and outer harbor is the 150 foot wide opening of the New Bedford hurricane barrier. The hurricane barrier was constructed in the mid-1960s. Sediment PCB levels in the outer harbor are generally low, with only localized areas of PCBs in the 50 – 100 ppm range near the Cornell-Dubilier plant and the New Bedford sewage treatment plant's outfall pipes. The southern extent of the outer harbor is a line mapped from Rock Point (the southern tip of West Island in Fairhaven), southwesterly to Negro Ledge, and then southwesterly to Mishaum Point in Dartmouth (Figure 1).

1.2 PROJECT OBJECTIVES AND SCOPE

The remediation of the Site involves the excavation and dredging of approximately 900,000 cubic yards of PCB-contaminated sediment. To date, crews have removed approximately 210,000 cubic yards of sediment from the harbor. This number is a sum of the 2004-2010 total (185,000 cubic yards) and the 2011 final volume (25,674 cubic yards). The majority of the contaminated material is being removed by a hydraulic dredge that pumps a spoils-slurry to the project's Sawyer Street facility where it is mechanically processed to remove all sand, gravel, and debris. The remaining silt and clay slurry is then pumped to the Area D Dewatering Facility, located on Herman Melville Boulevard, where it is mechanically dewatered and transported off-site for disposal.

The Site is divided into a series of Dredge Management Units (DMU) based primarily on contamination levels, contamination sources, and topography. In 2011, remediation activities at the Site included hydraulic dredging and excavation in five areas: G, K, N, O, and Q (Figure 2). Four of the five areas (Areas G, K, N, and O) were in the vicinity of the Aerovox facility. These four areas comprise the majority of the estuary between the Wood Street Bridge and the Aerovox facility. The fifth area, Area Q (formerly known as "Boathouse" in previous reports), is located north of Coggeshall bridge.

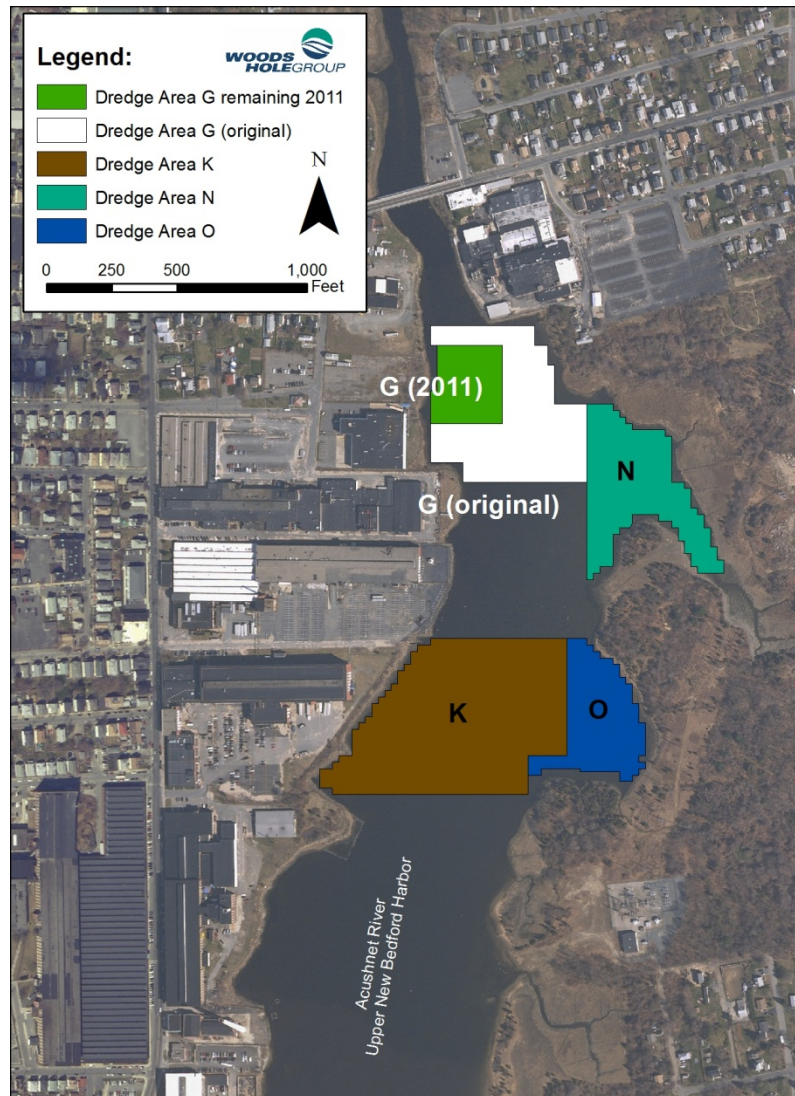


Figure 2. Basemaps of 2011 Active Remediation Dredging Areas

The objectives of the 2011 sediment monitoring program were to collect sediment samples and perform sediment characterizations and analytical testing for PCBs in support of the remedial dredging activities in Operational Unit #1 (OU1). Sediment monitoring of the OU1 area in 2011 required visual characterization of split whole sediment cores to determine the thickness of the surficial “OL” sediment layer, as well as the elevation, relative to a vertical datum control, of the transition between the OL layer and the underlying strata. The OL layer is defined as ‘organic silt, organic clay.’ Historical analytical data confirms that the OL layer contains the highest concentrations of PCB contaminants (Morris et al., 2011). Therefore, identification of the spatial extent of the OL layer is important in developing a dredge plan, monitoring dredging performance and assessing the overall performance of the dredging operation. Analysis of PCB contaminants in sediment samples within the OL layer, and in others layers, further strengthens the correlation between PCB concentrations and the OL sediments. The entire upper harbor, including the DMUs and 2011 Dredge Areas, has been parceled into discrete 25-foot by 25 foot ‘z-blocks’. During remedial design, a geostatistical model was used to predict a target elevation for dredging each z-block, termed the z* elevation. This target dredge elevation represents the elevation below which PCB concentrations are predicted to be less than the 10 mg/kg (ppm) remediation criterion. Using target dredge elevations in combination with bathymetric data, a preliminary dredge plan was developed that estimated the required depth of dredging and the thickness of the overlying sediment to be removed.

The successful completion of this sediment monitoring plan by the Woods Hole Group required close coordination and cooperation with the USACE and the dredging contractor.

1.2.1 Post-dredge Sediment Sampling

Post-dredge sediment sampling was conducted to assess the sediment condition following dredging operations, confirming whether the remedial dredging completed the removal of contaminated sediments to concentrations at or below 10 ppm. Post-Dredge sampling was completed in November 2011 and cores were visually characterized to determine the thickness and elevation of OL material remaining. Cores were subsampled for analytical testing of PCB concentrations in the sediment.

1.2.2 Archived Area Q Sediment Sampling

Area Q sediment sampling was conducted during the 2010 post-dredge season to assess PCB concentration in sediments along the shoreline where the city of New Bedford has proposed to develop and construct a recreational rowing center and boathouse. Area Q sediment samples were visually characterized in 2010 to determine the thickness and elevation of OL material present, and subsampled in one-foot increments for analytical testing. Deeper sections (>2 feet) of cores were archived for possible later analysis at Alpha Analytical Laboratory (AAL). In 2011, eight of these archived samples were still within the allowable hold time and were analyzed in the same manner as 2011 Post-Dredge cores.

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2.0 METHODS

Methods used to collect and analyze sediment samples are summarized below and described in detail in the project Field Sampling Plan (Woods Hole Group 2011a) and Quality Assurance Project Plan (Woods Hole Group 2011b).

2.1 CORE LOCATIONS

All locations for the collection of sediment samples were approved by the USACE and USEPA, and provided electronically to Woods Hole Group by the dredging contractor.

2.2 CORE COLLECTION

Sediment cores were collected with a push-core sampling device equipped with a 2-5/8 inch inner diameter clear polycarbonate core barrel. The length of core needed for collection was determined either directly by the dredging contractor or by the target dredge elevation relative to the bottom elevation at each core location. To ensure that the target elevation was sampled, a core barrel was pushed into the sediment past the target elevation horizon. A piston assembly inside the core barrel was used to create suction, thereby preventing excessive compaction during core barrel penetration, and loss of sediment from the bottom of the barrel during recovery.

Before core collection at each sampling location, a water depth measurement was recorded and the water surface elevation was surveyed. Water surface elevation was surveyed relative to the vertical datum NGVD29 using gauged tide boards previously secured to a steel sheet pile with elevation markings. After the push-core device was assembled, the total length of the device was measured, and the piston was positioned just inside the lower edge of the core barrel. The coring assembly was lowered in the water until the leading edge of the barrel was at the sediment-water interface. At this point the piston attachment line was secured to the boat, fixing the elevation of the piston, creating a suction point at the sediment-water interface. The push-core was then driven into the sediment to the predetermined depth, and the distance between the top of the push-core assembly and the water surface was measured. During core barrel retrieval the piston line was held tight to maintain suction in the barrel and to overcome the suction holding the penetrated core barrel in place. Upon core recovery the bottom end of the barrel was capped, the barrel was removed from the push-core device, and the core was stored in a vertical position.

2.3 CORE CALCULATIONS

Quality Assurance and Quality Control (QA/QC) calculations were performed following core recovery. These calculations used the measurements of certain parameters recorded during the coring process to determine whether the core was acceptable. The required measurements and calculations are described in detail below and illustrated in Figure 3. All measurements were recorded in units of ± 0.1 feet.

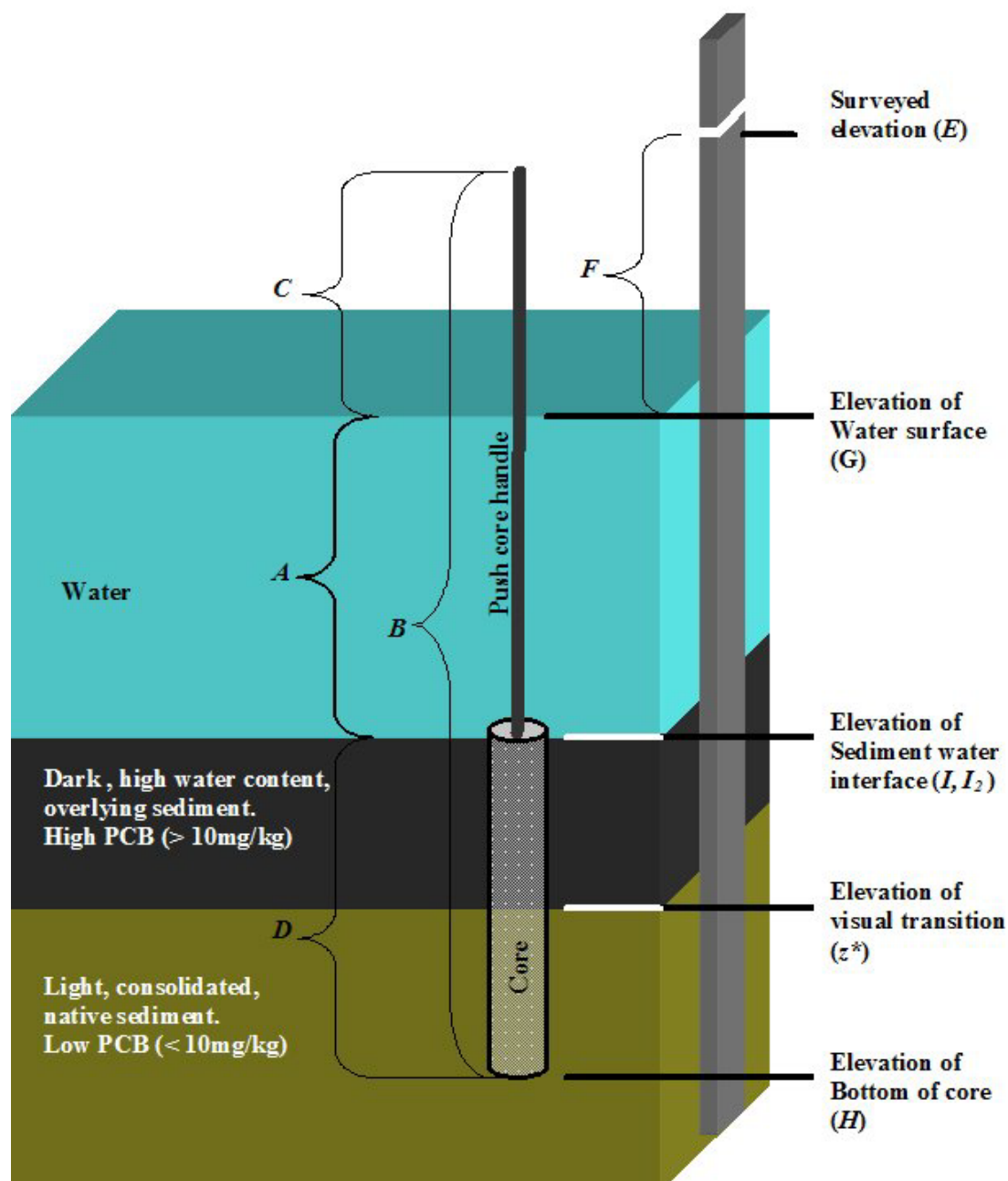


Figure 3. Graphical Representation of Sediment Core Measurements

Descriptions of coring parameters described in Figure 3:

A = Water depth. The water depth was recorded using a stadia rod.

B = Length of push-core assembly. Prior to deployment, the full length of the push-core assembly from the top of the handle to the bottom edge of the core liner was recorded.

C = Water surface to top of core assembly handle. Once the core assembly was fully penetrated, the length of the assembly remaining above the water surface was recorded.

D = Core Length. The core length retained in the core barrel, from bottom to top, was measured and recorded.

E = Surveyed elevation. Prior to operations, the dredge contractor installed a gauged tide board fixed to the sheet pile with markings indicating a survey elevation (NGVD 29). This elevation was recorded and served as the reference point for elevation calculations.

F = Water surface from surveyed elevation. After sample collection, the survey vessel navigated to the fixed gauged tide board and the distance from the water surface to the surveyed elevation was recorded.

From these measurements a number of calculations were made to determine true elevations:

$E - F$ = Elevation of water surface (G).

$G - (B - C)$ = Elevation of bottom of core (H).

The H elevation (bottom of core) was used to determine the elevation of all visual transitions, including apparent target dredge elevation, i.e.:

$H + (\text{distance to visual transition from the bottom of the core})$ = **Elevation of visual transition** (target dredge elevation)

$H + D$ = Elevation of sediment-water interface (I).

The elevation of the sediment-water interface was also calculated from:

$G - A$ = Elevation of sediment-water interface (I_2).

If I and I_2 varied by more than 1.0 foot, the core was discarded and a new sample collected. The difference between I and I_2 could have been caused by 1) too much water at the top of the core, 2) compaction of the core sediment, 3) sediment loss from the bottom of the core, 4) erroneous measurements. Any one, or combination, of these factors can result in an unacceptable core sample.

2.4 INTERNAL SEDIMENT CORE EXAMINATION

All Post-Dredge sediment cores were split open, described and subsampled for PCB congeners. A split core enables the scientist to provide an accurate physical description and measurement of thickness of the in-situ sediment strata, and allows for the collection of discrete sediment subsamples for laboratory analysis.

Each core barrel was placed into a clean 4-inch gutter and split by cutting along the entire length of the polycarbonate barrel using power shears. Cuts were made on opposite sides of the core barrel. A new piece of stainless steel wire (18 gauge) was used to slice

through the middle of each core barrel, using the two cuts in the barrel as guidelines. Care was used to prevent the wire from pulling obstructions (shells, rocks) down the core barrel and potentially mixing sediment layers. When the wire was prevented from being pulled smoothly through the core, a clean plastic knife was used instead. After splitting, the core halves were rolled 90 degrees and separated. Following separation, the core was lithology of the core was described and photographed by a trained sedimentologist. Textural descriptions were performed according to ASTM standards. Color descriptions followed the Munsell color classification standards.

Sediment from predetermined sections of each split core was composited and sampled into 8 ounce glass jars for PCB analysis. Typically, subsamples were collected in 0.5 or 1.0 foot increments. If the core had a clear transition from the OL to another sediment layer, a one-half foot (0.5 foot) interval of sediment below the transition line was occasionally also sampled and composited for PCB analysis. However, this was not done for every core with a clear transition in order to prevent having a large number of samples. Additional samples were collected for laboratory-based quality control analysis. All core samples were sent to AAL for PCB congener (NOAA-18) analysis.

2.5 POLYCHLORINATED BIPHENYL ANALYSIS (NOAA-18 CONGENERS)

The methods used by the laboratory summarized below are detailed in Alpha Analytical Laboratories SOP O-012 and the USEPA's SOP EIA-FLDPCB2 in the Quality Assurance Project Plan (Woods Hole Group, 2011b).

Upon sample preparation, an aliquot of a well-mixed, homogeneous sediment sample is accurately measured for sample preparation. Generally, 50 grams of sediment is extracted. The New Bedford Harbor QAPP requires 30 g of sediment for extraction by Method 3540C Soxhlet Extraction, which is air dried to a minimum of >50% solids and generally >90% solids. The sample is spiked with surrogate compounds and then extracted using methylene chloride or a methylene chloride/acetone mixture. The extract is dried and exchanged to hexane during sample concentration. After extraction, clean-up techniques are applied as necessary. The extract may be treated with Aminopropyl, Carbon Column, Florisil (3620B) or GPC (3640A) for hydrocarbon and lipid removal, and copper (3660B) for sulfur removal. The extract is exchanged into hexane and concentrated to the appropriate volume, generally 10mL, and transferred for analysis. Prior to analysis, the extract is cleaned with sulfuric acid (3665A). Alternatively, this method can be employed for lower detection limits by decreasing the final volume to 1-5mL.

After clean-up and re-concentration, the extracts are analyzed on a gas chromatograph (GC) fitted with two capillary columns of differing polarities each employing separate detectors. This process follows USEPA Method 8082 (Woods Hole Group 2011b). The extracts of PCB Congeners are spiked with internal standards (IS) prior to analysis. The target analytes are resolved on each column and detected using an electron capture detector (ECD). Analytes are introduced into the GC/ECD by injecting a known volume of the calibration standards, quality control samples, and sample extracts into the GC, which is temperature- and flow-programmed to separate the analytes. Identification of the target analytes is accomplished by confirming a target hit on two dissimilar columns

using Retention Time (RT). Concentrations are calculated from the ECD response using internal standard techniques. Sample results were reported in micrograms per kilogram (µg/kg) for the individual congeners.

For each batch of 20 or fewer samples, a laboratory method blank, LCS/LCSD, MS and MSD was processed and analyzed with the field samples.

2.6 CALCULATION OF TOTAL PCBs FROM NOAA-18 CONGENER RESULTS

Although this sediment monitoring program analyzed and reported the individual concentrations for each of the NOAA-18 congeners, this report also provides a value for the total NOAA-18 congeners and for the total PCBs. The value for “Total PCBs” presented in this report is calculated and is meant to provide a representative value for the total of all 209 PCB congeners or PCB homologs. In this report, Total PCBs is defined as the product of the sum the NOAA-18 congeners and the site-specific linear regression factor of 2.6 (Equation 1).

$$\text{Total PCBs} = \sum \text{NOAA-18 Congeners} \times 2.6$$

Equation 1. Calculation for Total PCBs from NOAA-18 Congeners

Data validation was completed by New Environmental Horizons, Inc. (NEH). Detected and estimated (J) values were used during the summation of the NOAA-18 congeners; a value of zero was used for a non-detect (U) and a non-detect estimate (UJ) (Woods Hole Group, 2011b).

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3.0 RESULTS

Results from the 2011 sediment monitoring activities are described below. Complete field data collection, core description logs, and digital photographs of the split and whole sediment cores are provided in Appendix A. Digital photographs of the split Post-Dredge cores have also been uploaded to the New Bedford Harbor project database. In the database, the core photographs are linked to the field collection information and associated analytical results.

A typical sediment core in the upper harbor consisted of a surficial OL layer with varied underlying strata. The OL layer consists of unconsolidated to loosely consolidated fine-grained black organic sediment which typically had a strong petroleum or hydrogen sulfide odor and occasionally had a light sheen the sediment surface. The underlying strata are generally composed of moderate- to well-consolidated fine-grained grey or sediments, typically silt (ML) with low percentages of sand and often a hydrogen sulfide odor associated with decayed organic matter. Often the transition from OL to underlying sediment was abrupt in terms of color, texture and/or consistency. Many cores contained a mixed layer of OL/ML, which could be mixing caused by mechanical excavation or other dredging activities. Previous years of monitoring data have shown the OL layer contains the highest concentrations of PCB contaminants. For this reason, and for the purpose of remediation, it is important to determine the thickness of the OL layer and the transition from the OL layer to the underlying strata.

3.1 POST-DREDGE CORE SAMPLING

Post-Dredge cores were collected in November 2011. Cores were collected at 37 locations in Dredge Areas G, N, and K (Figures 4 through 6). No cores were collected in Areas O and Q because there was only infrequent work in these areas throughout the 2011 dredge season. Figures 4-6 were provided by the dredging contractor, which include the core locations, PCB concentrations, and OL thicknesses, plotted over the post-dredge surveyed bathymetry. During the November collection event, sediment cores were split open for internal sediment characterization and analytical sample collection. The internal sediment characterization was performed to confirm the presence of the OL layer and to determine the elevation of the transition between the OL and underlying strata. At least one sample was collected from every core, usually from 0.0–0.5 feet, but most cores had two or more samples collected from them. The 0.0–0.5 foot samples were analyzed while most deeper samples were archived at AAL in dedicated freezers.

Results from sediment characterizations and PCB congener analysis are summarized by Dredge Area below, and presented in Tables 4 – 6 and Figures 7 – 9.

3.1.1 Area G

The thickness of the OL layer in Dredge Area G ranged from 0.0 – 0.55 feet. The underlying strata generally consisted of ML, ML-SM or PT. The total PCB concentration from the 0.0–0.5 foot samples ranged from 3.61 to 185J mg/kg, with a mean of 66.6 mg/kg.

3.1.2 Area N

The OL layer in Dredge Area N ranged in thickness from 0.0 – 0.55 feet. The underlying strata consisted of ML sediment that transitioned to ML-CL or PT at depth. The total PCB concentration of the 0.0–0.5 foot sample ranged from 2.59 to 504 mg/kg, with a mean of 142 mg/kg. The mean is heavily influenced by cores from NM34 and NC32/NG43 which have Total PCB concentrations of 504 and 402 mg/kg, respectively. Excluding these two cores the mean drops to 64.8 mg/kg.

Cores NC32/NG43 and NC4/NJ38 have compound names due to an inconsistency observed in the core naming scheme during field activities. The first name was provided to WHG by the dredge contractor prior to field activities, and the second was used by the dredge contractor internally.

3.1.3 Area K

The OL layer in Dredge Area K frequently contained sheen on the topmost sediment, and OL thickness ranged from 0.0 – 1.9 feet. The underlying strata consisted of ML sediment that transitioned to ML/CL or PT at depth. The total PCB concentration of the topmost sample (usually 0.0 – 0.5 feet, 0.2 – 0.7 feet for others) ranged from 0.79 to 3,450J mg/kg, with a mean of 955 mg/kg. The mean was heavily influenced by cores from KQ19 and KM23 which have Total PCB concentrations of 3,450J and 3,170J mg/kg, respectively. Without these two cores the mean drops to 694 mg/kg.

Based on visual observations in the field, core KW12 did not appear to penetrate past the OL, and a longer core was collected at the same location and named KW12A. KW12 was not internally described nor sampled from because KW12A captured the transition between OL and ML. Core KH15 was collected with 0.4 feet of water above the core top, caused by the core piston assembly moving prematurely in the core barrel. Elevation calculations for Core KH15 show a difference of 1.2 feet between I and I₂, which should have been grounds for disposal and collecting a new core. However, the core contained no OL and was kept despite having differing elevation measurements.

3.2 DATA VALIDATION

No results were rejected from the 2011 samples. However, the majority of samples have elevated detection limits due to the dilution factors (DF) required by the elevated concentrations of target compounds in the samples. Dilution factors ranged between 2 and 20,000. As in 2010, all data were reported with “D” qualifiers, but this qualifier was not included in figures and tables. For all samples, the reporting limits (RL) were increased as a consequence of the dilutions (RLs were 2-5,300 times higher than 5 µg/kg PQL given in QAPP Worksheet #15). However, the sum of all detected congener results in these diluted samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

Five total sets of Laboratory Control Sample/Laboratory Control Sample Duplicates (LCS/LCSD) were performed with these samples. For three of the sets, the recoveries for various Congeners were high compared to criteria resulting in estimation (J) of 131 results with possible high bias. For the other two, LCS/LCSD recoveries were acceptable

for all NOAA-18 Congeners except 2,2',5,5'-Tetrachlorobiphenyl (BZ 52), which was recovered high in the LCS/LCSD associated with the analysis of sample S-11N-C010-0.5-1.0 (core NC32/NG43). The result for 2,2',5,5'-Tetrachlorobiphenyl was estimated (J) in S-11N-C010-0.5-1.0 with indeterminate bias.

From the four samples that were removed from archive and analyzed,, MS/MSD precision was acceptable for all NOAA Congeners except 2,2',5-Trichlorobiphenyl (BZ#18) associated with the analysis of sample S-11N-C015-1.0-1.5. The result for 2,2',5,-Trichlorobiphenyl was estimated (J) in S-11N-C015-1.0-1.5 with indeterminate bias as a consequence of the observed imprecision. This is the only data validation qualifier assigned to these four samples.

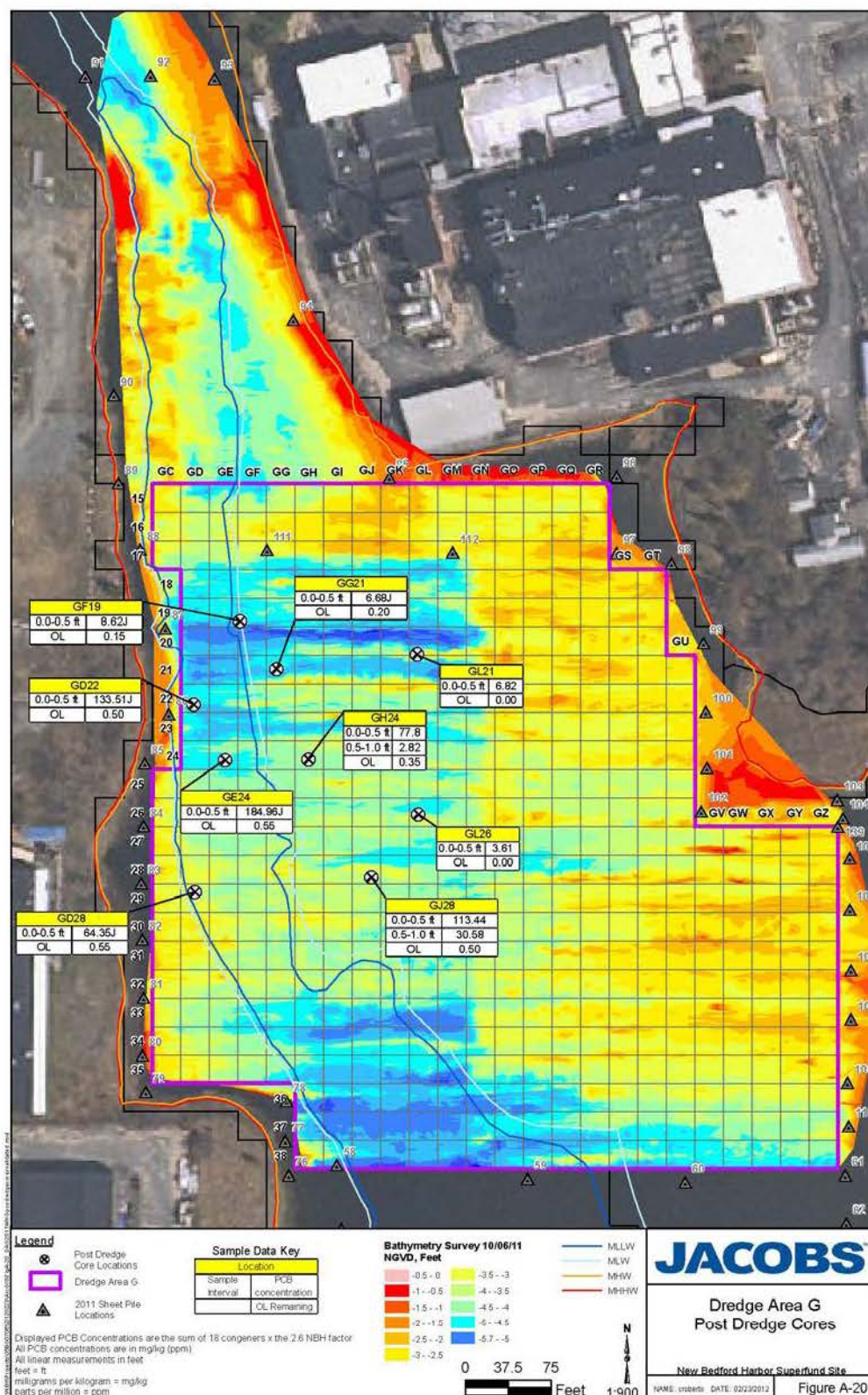


Figure 4. Area G Total PCB Concentrations and OL Thickness for 2011 Post-Dredge Cores

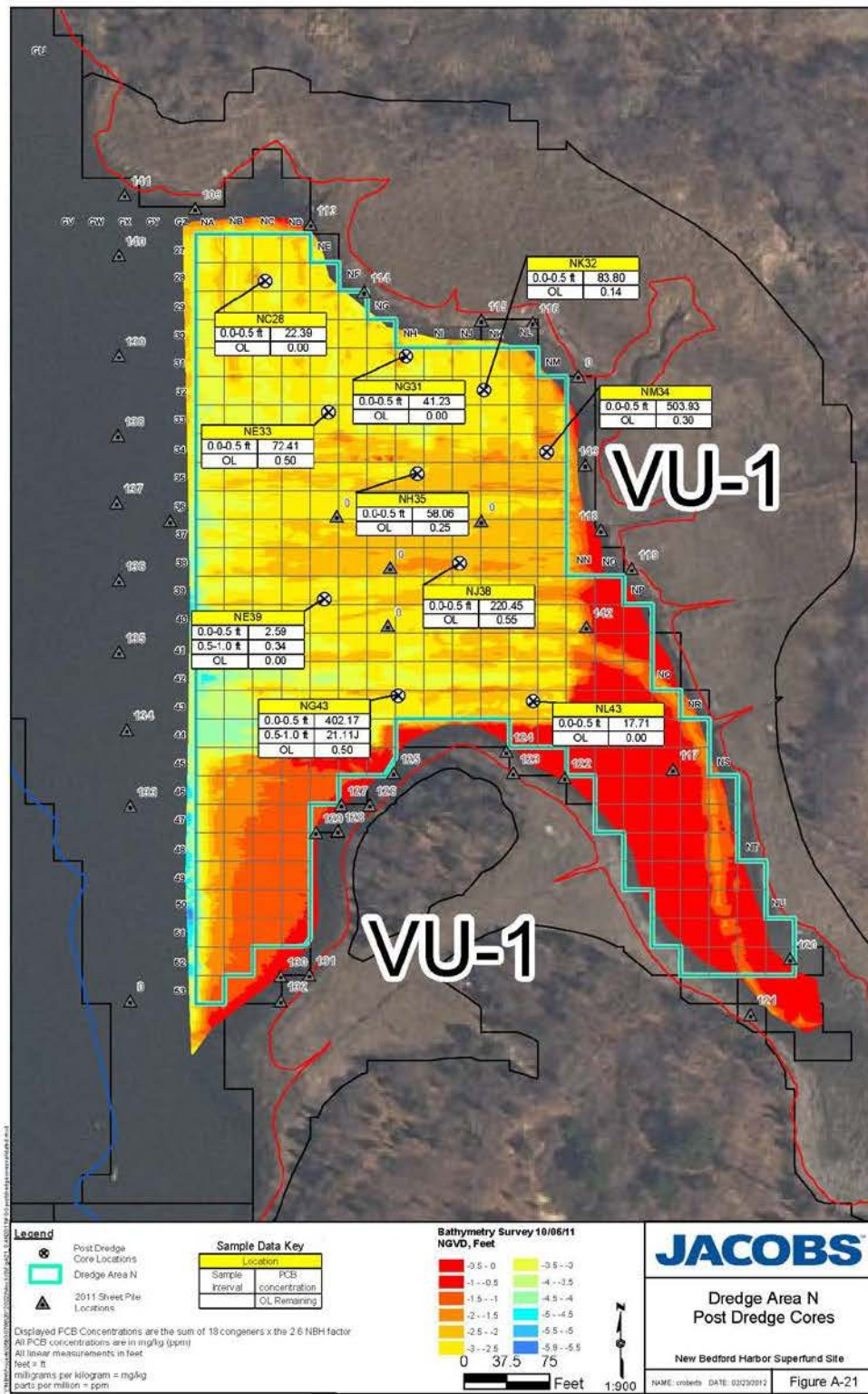


Figure 5. Area N Total PCB Concentrations and OL Thickness for 2011 Post-Dredge Cores

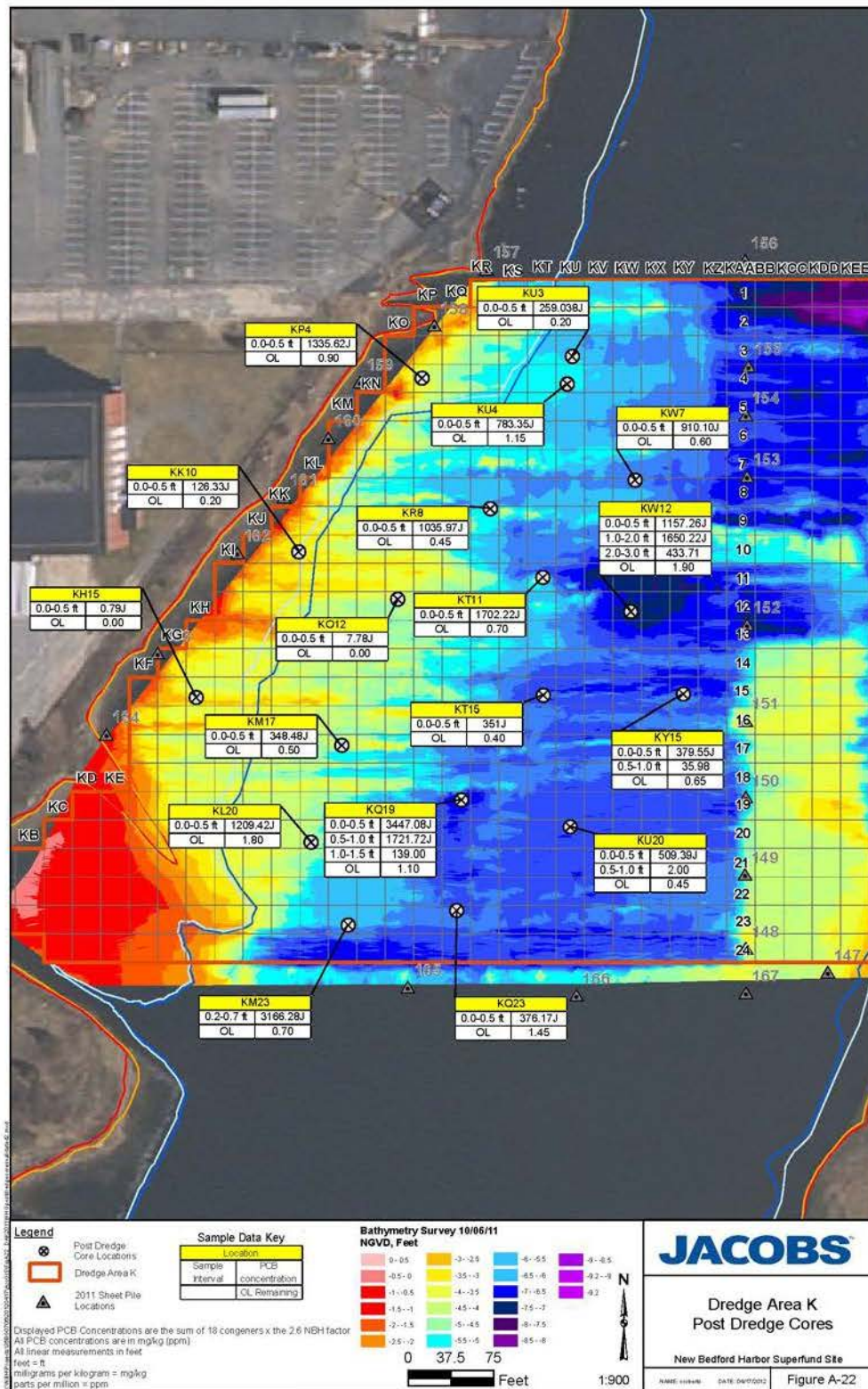
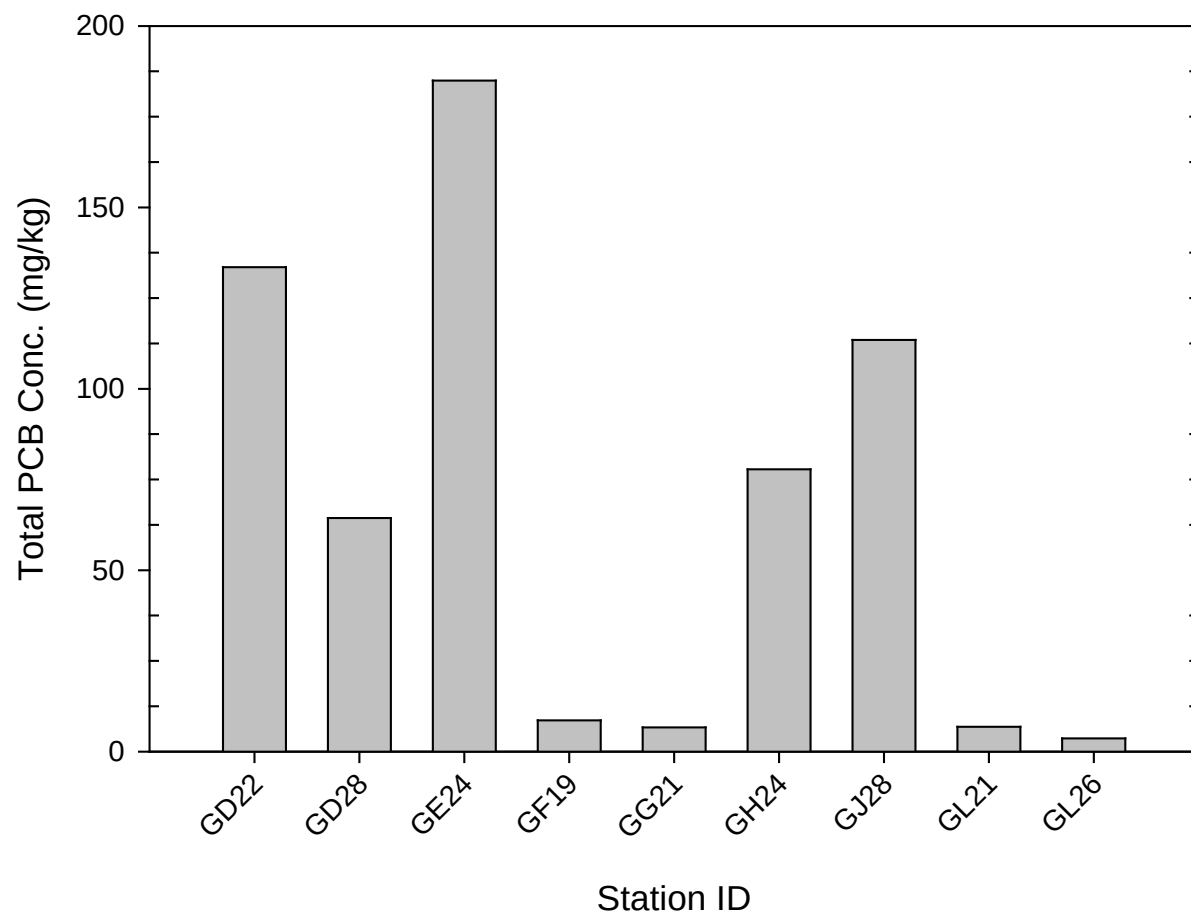
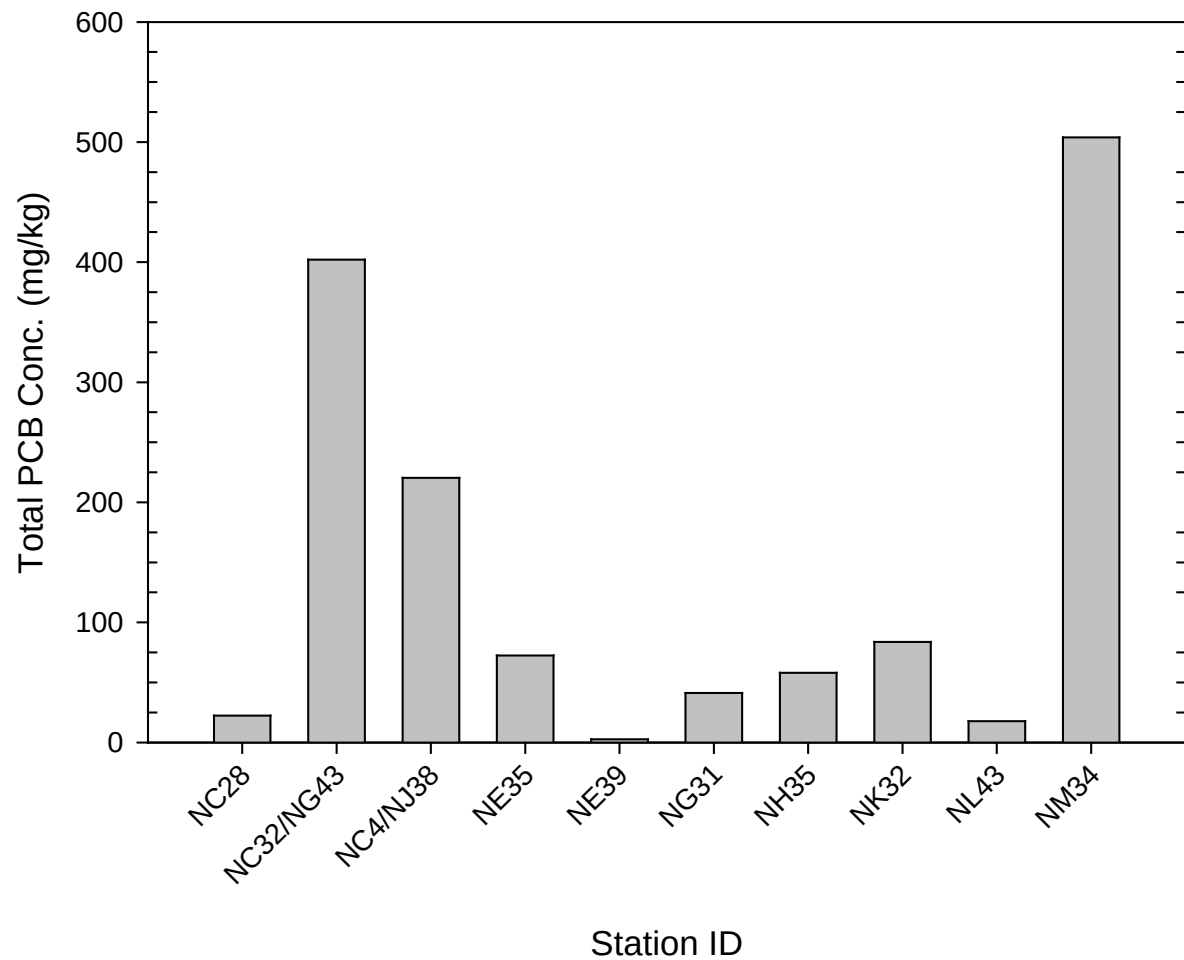


Figure 6. Area K Total PCB Concentrations and OL Thickness for 2011 Post-Dredge Cores



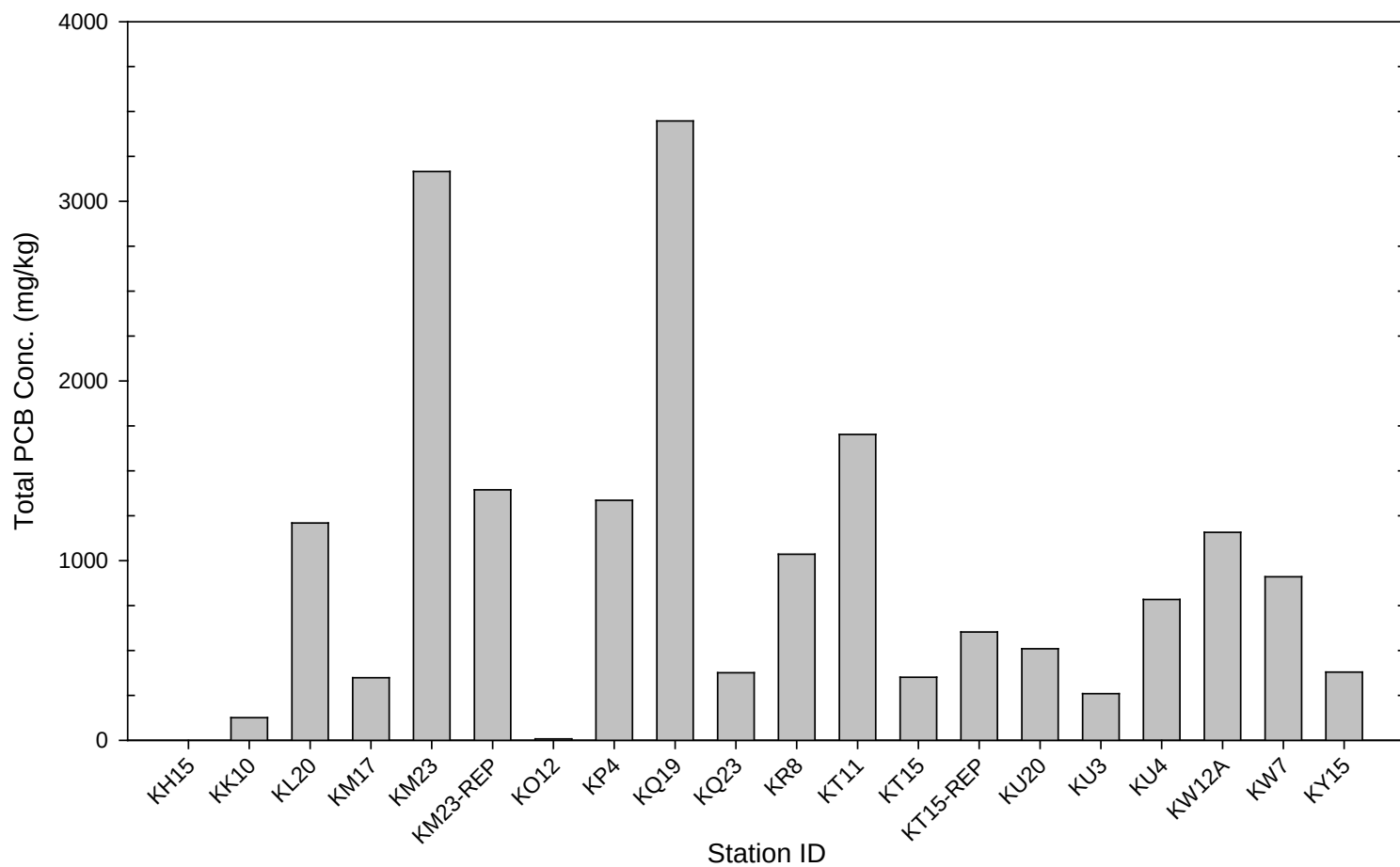
* Values represent samples that were collected from different elevations

Figure 7. Total PCB Concentration in Area G Post Dredge Cores (0-0.5 ft.)



* Values represent samples that were collected from different elevations

Figure 8. Total PCB Concentration in Area N Post Dredge Cores (0-0.5 ft.)



* Values represent samples that were collected from different elevations

Figure 9. Total PCB Concentration in Area K Post Dredge Cores (0-0.5 ft)

Table 1. Elevation Data from Area G Post-Dredge Cores

Station ID	Northing NAD 83 MA, ft.	Easting NAD 83 MA, ft.	Elevation Measurements (NGVD 29 ft.)			Measured Sediment Thickness of OL Layer (ft.)	Actual vs. Predicted Transition Elevation (ft.) ^b
			Measured Elevation of Sediment Surface	Measured Elevation of Transition Between OL and Underlying Strata	Target Dredge Elevation ^a		
GD22	2707669.26	815574.02	-5.4	-5.9	-5.5	0.5	-0.4
GD28	2707505.29	815575.14	-4	-4.55	-2.9	0.55	-1.65
GE24	2707620.86	815601.67	-5.1	-5.65	-5.4	0.55	-0.25
GF19	2707742.42	815614.50	-5.6	-5.75	-4.3	0.15	-1.45
GG21	2707700.12	815646.66	-5.2	-5.4	-3.7	0.2	-1.7
GH24	2707621.36	815674.52	-4.7	-5.05	-4	0.35	-1.05
GJ28	2707518.49	815729.86	-4.1	-4.6	-3.6	0.5	-1
GL21	2707713.11	815769.51	-5.7	-5.7	-3.6	0	-2.1
GL26	2707573.43	815770.47	-5.2	-5.2	-4.3	0	-0.9

^a Source: Jacobs 2011 Dredge Plan

^b Actual vs. Predicted = Measured Elevation of Visual Transition (ft.) – Target Dredge Elevation (ft.).

Table 2. Elevation Data from Area N Post-Dredge Cores

Station ID	Northing NAD 83 MA, ft.	Easting NAD 83 MA, ft.	Elevation Measurements (NGVD 29 ft.)			Measured Sediment Thickness of OL Layer (ft.)	Actual vs. Predicted Transition Elevation (ft.) ^b
			Measured Elevation of Sediment Surface	Measured Elevation of Transition Between OL and Underlying Strata	Target Dredge Elevation ^a		
NC28	2707521.71	816198.84	-3.3	-3.3	-2.1	0	-1.2
NC32/NG43	2707158.10	816315.17	-3.1	-3.6	-2.3	0.5	-1.3
NC4/NJ38	2707273.87	816369.02	-2.6	-3.15	-1.9	0.55	-1.25
NE33	2707406.69	816254.27	-3.2	-3.7	-2.4	0.5	-1.3
NE39	2707242.69	816250.84	-3.2	-3.2	-2.4	0	-0.8
NG31	2707455.75	816322.23	-3.2	-3.2	-2.1	0	-1.1
NH35	2707352.57	816332.05	-2.9	-3.15	-2.2	0.25	-0.95
NK32	2707425.85	816390.74	-2.9	-3.04	-1.8	0.14	-1.24
NL43	2707152.84	816433.60	-2.75	-2.75	-1.8	0	-0.95
NM34	2707371.57	816445.75	-2.7	-3	-1.3	0.3	-1.7

^a Source: Jacobs 2011 Dredge Plan

^b Actual vs. Predicted = Measured Elevation of Visual Transition (ft.) – Target Dredge Elevation (ft.).

Table 3. Elevation Data from Area K Post-Dredge Cores

Station ID	Northing NAD 83 MA, ft.	Easting NAD 83 MA, ft.	Elevation Measurements (NGVD 29 ft.)			Measured Sediment Thickness of OL Layer (ft.)	Actual vs. Predicted Transition Elevation (ft.) ^b
			Measured Elevation of Sediment Surface	Measured Elevation of Transition Between OL and Underlying Strata	Target Dredge Elevation ^a		
KH15*	2706294.78	815296.54	-3.8	-3.8	-2.4	0	-1.4
KK10	2706422.94	815386.74	-3.2	-3.4	-2.9	0.2	-0.5
KL20	2706167.93	815397.59	-5.1	-6.9	-3.3	1.8	-3.6
KM17	2706253.14	815424.33	-4.3	-4.8	-3.4	0.5	-1.4
KM23	2706095.27	815429.96	-7.1	-7.8	-6.3	0.7	-1.5
KM23-REP	2706095.27	815429.96	-7.1	-7.85	-6.3	0.75	-1.55
KO12	2706381.01	815473.54	-5	-5	-3.2	0	-1.8
KP4	2706575.51	815494.98	-4.1	-5	-3.2	0.9	-1.8
KQ19	2706205.27	815529.39	-6.9	-8	-6.8	1.1	-1.2
KQ23	2706108.07	815525.50	-6.5	-7.95	-6.7	1.45	-1.25
KR8	2706460.53	815554.96	-5.4	-5.85	-4.1	0.45	-1.75
KT11	2706400.11	815600.91	-5.7	-6.4	-4.5	0.7	-1.9
KT15	2706296.86	815601.62	-6.9	-7.3	-6.3	0.4	-1
KT15-REP	2706296.86	815601.62	-6.6	-7.25	-6.3	0.65	-0.95
KU20	2706181.63	815625.18	-6.8	-7.25	-7.1	0.45	-0.15
KU3	2706594.63	815626.90	-5.1	-5.3	-4.6	0.2	-0.7
KU4	2706570.31	815622.52	-5.2	-6.35	-4.6	1.15	-1.75
KW12A	2706370.27	815678.53	-8	-9.9	-6.8	1.9	-3.1
KW7	2706485.69	815682.29	-5.1	-5.7	-4.6	0.6	-1.1
KY15	2706297.70	815724.56	-6.8	-7.45	-6.9	0.65	-0.55

^a Source: Jacobs 2011 Dredge Plan

^b Actual vs. Predicted = Measured Elevation of Visual Transition (ft.) – Target Dredge Elevation (ft.).

* Core KH15 elevation measurements were outside of acceptable standards. See section 3.2.3 of text for discussion.

Table 4. PCB Concentrations of Area G Post-Dredge Cores

Station ID	Core ID	Sample Interval (ft)	Sum of 18 NOAA Congeners (mg/kg)	Total PCB Concentration (mg/kg)
GD22	S-11N-C020-0-0.5	0-0.5	51.4 J	134 J
GD28	S-11N-C022-0-0.5	0-0.5	24.8 J	64.4 J
GE24	S-11N-C021-0-0.5	0-0.5	71.1 J	185 J
GF19	S-11N-C019-0-0.5	0-0.5	3.32 J	8.62 J
GG21	S-11N-C018-0-0.5	0-0.5	2.57 J	6.68 J
GH24	S-11N-C014-0-0.5	0-0.5	29.9	77.8
GH24	S-11N-C014-0.5-1.0	0.5-1.0	1.09	2.82
GJ28	S-11N-C013-0-0.5	0-0.5	43.6	113
GJ28	S-11N-C013-0.5-1.0	0.5-1.0	11.8	30.6
GL21	S-11N-C011-0-0.5	0-0.5	2.62	6.82
GL26	S-11N-C012-0-0.5	0-0.5	1.39	3.61

^aTotal PCB = Sum NOAA-18 congeners * 2.6

Table 5. PCB Concentrations of Area N Post-Dredge Cores

Station ID	Core ID	Sample Interval (ft)	Sum of 18 NOAA Congeners (mg/kg)	Total PCB Concentration (mg/kg)
NC4/NJ38	S-11N-C009-0-0.5	0-0.5	84.8	220
NC28	S-11N-C003-0-0.5	0-0.5	8.61	22.4
NC32/NG43	S-11N-C010-0-0.5	0-0.5	155	402
NC32/NG43	S-11N-C010-0.5-1.0	0.5-1.0	8.12 J	21.1 J
NE33	S-11N-C008-0-0.5	0-0.5	27.9	72.4
NE39	S-11N-C002-0-0.5	0-0.5	1	2.59
NE39	S-11N-C002-0.5-1.0	0.5-1.0	0.129	0.335
NG31	S-11N-C004-0-0.5	0-0.5	15.9	41.2
NH35	S-11N-C007-0-0.5	0-0.5	22.3	58.1
NK32	S-11N-C005-0-0.5	0-0.5	32.2	83.8
NL43	S-11N-C001-0-0.5	0-0.5	6.81	17.7
NM34	S-11N-C006-0-0.5	0-0.5	194	504

^aTotal PCB = Sum NOAA-18 congeners * 2.6

Table 6. PCB Concentrations of Area K Post-Dredge Cores

Station ID	Core ID	Sample Interval (ft)	Sum of 18 NOAA Congeners (mg/kg)	Total PCB Concentration (mg/kg)
KH15	S-11N-C032-0-0.5	0-0.5	0.30 J	0.791 J
KK10	S-11N-C028-0-0.5	0-0.5	48.6 J	126 J
KL20	S-11N-C035-0-0.5	0-0.5	465 J	1210 J
KM17	S-11N-C033-0-0.5	0-0.5	134 J	349 J
KM23	S-11N-C036-0.2-0.7	0.2-0.7	1220 J	3170 J
KM23-REP	S-11N-C036-0.2-0.7-REP	0.2-0.7	536 J	1400 J
KO12	S-11N-C029-0-0.5	0-0.5	2.99 J	7.78 J
KP4	S-11N-C023-0-0.5	0-0.5	514 J	1340 J
KQ19	S-11N-C015-0-0.5	0-0.5	1330 J	3450 J
KQ19	S-11N-C015-0.5-1.0	0.5-1.0	662 J	1720 J
KQ19	S-11N-C015-1.0-1.5	1.0-1.5	53.5	139 J
KQ23	S-11N-C037-0-0.5	0-0.5	145 J	376 J
KR8	S-11N-C027-0-0.5	0-0.5	398 J	1040 J
KT11	S-11N-C030-0-0.5	0-0.5	655 J	1700 J
KT15	S-11N-C017-0-0.5	0-0.5	135 J	351 J
KT15-REP	S-11N-C017-0-0.5-REP	0-0.5	232 J	603 J
KU20	S-11N-C034-0-0.5	0-0.5	196 J	509 J
KU20	S-11N-C034-0.5-1.0	0.5-1.0	0.77	2
KU3	S-11N-C024-0-0.5	0-0.5	99.6 J	259 J
KU4	S-11N-C025-0-0.5	0-0.5	301 J	783 J
KW7	S-11N-C026-0-0.5	0-0.5	350 J	910 J
KW12A	S-11N-C016-0-0.5	0-0.5	445 J	1160 J
KW12A	S-11N-C016-1.0-2.0	1.0-2.0	635 J	1650 J
KW12A	S-11N-C016-2.0-3.0	2.0-3.0	167	434
KY15	S-11N-C031-0-0.5	0-0.5	146 J	380 J
KY15	S-11N-C031-0.5-1.0	0.5-1.0	13.8	36

^aTotal PCB = Sum NOAA-18 congeners * 2.6

3.3 AREA Q SEDIMENT SAMPLING

The eight Area Q sediment samples were from cores collected on November 3 & 23, 2010. The 0.0–1.0 foot and 1.0–2.0 foot samples were analyzed immediately in 2010, while the 2.0–3.0 foot and 3.0–4.0 foot samples were frozen and archived at AAL. Results for 0.0-1.0 foot and 1.0-2.0 foot sections are described in the Sediment Monitoring Summary Report for 2010 (Woods Hole Group, 2010). Results from sediment characterizations and PCB congener analysis are summarized below for 2.0-3.0 and 3.0-4.0 sections, and presented in Tables 7 – 8 and Figure 10. Figure 10 was provided by the dredging contractor.

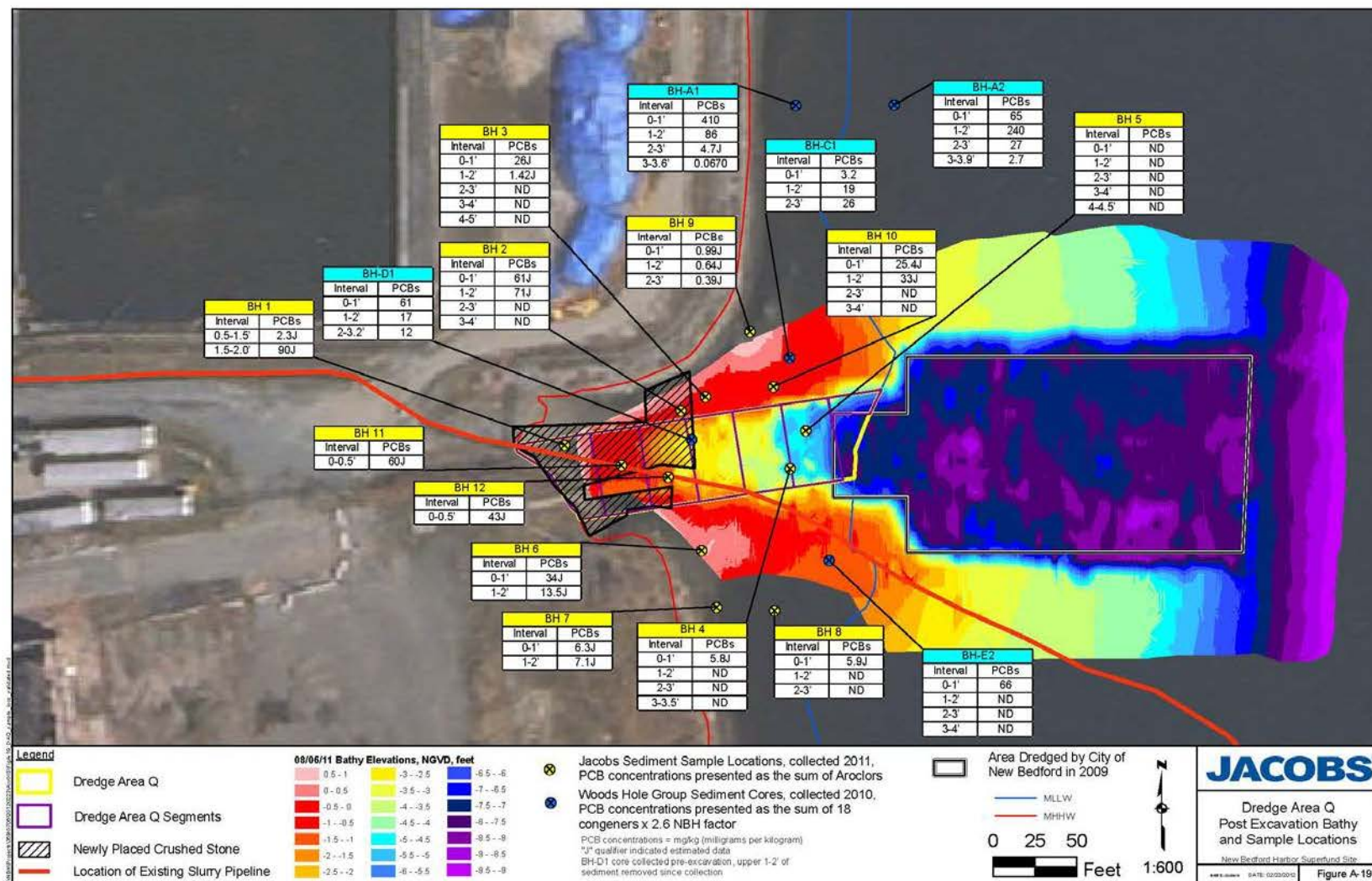


Figure 10. Archive and Recent Area Q Total PCB Concentrations.

Table 7. Elevation Data from Archived Area Q Sediment Samples

Station ID	Northing NAD 83 MA, ft.	Easting NAD 83 MA, ft.	Elevation Measurements (NGVD 29 ft.)		Measured Sediment Thickness of OL Layer (ft.)
			Measured Elevation of Sediment Surface	Measured Elevation of Transition Between OL and Underlying Strata	
BH-A1	2701372.9	814938.46	-2.25	-2.25	0
BH-A2	2701373.2	814997.57	-4.15	-4.4	0.25
BH-C1	2701221	814934.94	-1.2	-4.2	3
BH-D1	2701172	814876.06	-2.45	-3.45	1
BH-E2	2701099.7	814958.54	-1.7	-2.6	0.9

Table 8. PCB Concentrations from Archived Area Q Sediment Samples

Station ID	Core ID	Sample Interval (ft)	Sum of 18 NOAA Congeners (mg/kg)	Total PCB Concentration (mg/kg)
BH-A1	S-10O-C047-2.0-3.0	2.0-3.0	1.96	5.08
BH-A1	S-10O-C047-3.0-3.6	3.0-3.6	0.0258	0.067
BH-A2	S-10O-C071-2.0-3.0	2.0-3.0	10.4	26.9
BH-A2	S-10O-C071-3.0-3.9	3.0-3.9	1.02	2.66
BH-C1	S-10O-C051-2.0-3.0	2.0-3.0	10.1	26.3
BH-D1	S-10O-C053-2.0-3.2	2.0-3.2	4.73	12.3
BH-E2	S-10N-C005-2.0-3.0	2.0-3.0	0	0
BH-E2	S-10N-C005-3.0-4.0	3.0-4.0	0	0

^aTotal PCB = Sum NOAA-18 congeners * 2.6

4.0 DISCUSSION

This section discusses results of the sediment samples analyses, and addresses trends in PCB concentrations. These data have been provided to the USACE and their contractors to assist with the evaluation of remediation efficiency, to establish target dredge elevations, and plan for upcoming remediation events.

Spatially, the PCB concentrations throughout 2011 active dredge areas G, N, and K exhibited no clear pattern. Portions of these areas were previously dredged, some multiple times, which may have impacted the spatial distribution of the OL layer thickness and corresponding PCB concentrations. Concentrations were uniformly distributed throughout dredge areas G and N with no localized spikes in concentrations (i.e., “hotspots”). Samples from Area K contained higher concentrations of Total PCBs on average than the other two dredge areas, with cores KM23 and KQ19 showing Total PCB concentration that are much higher than other samples (3170J and 3450J mg/kg, respectively). Total PCB concentrations are lowest in Area K near the western shore, increasing towards the center of the dredge area. The two highest concentrations are near the southern edge of Area K.

The average thickness of OL remaining among post-dredge cores was 0.43 feet, excluding three outliers: KQ23 (1.45 feet), KL20 (1.8 feet), and KW12A (1.9 feet). Eight cores contained no OL at all. Considering that the goal of remediation is to remove the contaminated sediment from the harbor, calculations of OL thickness in Tables 1, 2, 3, and 7 included any material with OL, meaning both OL and OL/ML mix. As such, the numbers in these tables are at times overestimates of the thickness of OL only. However, PCB contamination is not limited to only OL material. Most cores in Area N contained less than 0.5 feet of OL, yet Total PCB concentrations still reached up to 504 mg/kg. These types of discrepancies show that sediment core observations of the OL visual transition can be used to supplement the use of z^* as the target dredge elevation. The visual transition, as mapped from sediment coring, may serve as a benchmark for confidently estimating: 1) the presence of PCB contamination; 2) the target dredge elevation required for successful removal of the highest PCB concentrations; and 3) volumes of contaminated sediment that require removal (Morris et al., 2011).

2010 archived Area Q samples have lower concentrations of PCBs than the shallower intervals at each location previously sampled during the 2010 dredge season. Archive sample concentrations ranged from 0 to 26 mg/kg. The only archived sample to have a greater PCB concentration than the samples above it was BH-C1 2.0-3.0 feet: this interval contains higher PCB concentration (26 mg/kg) than the 0-1.0 foot (3.2 mg/kg) and 1.0-2.0 foot (19 mg/kg) intervals, but all three concentrations are still low compared to others around Area Q and northern dredge areas of the upper harbor.

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5.0 REFERENCES

- Morris, M.W. A. Rigassio Smith, J. Cummings, and D. Walsh. 2011. Relationship between sediment morphology and PCB contamination in the Acushnet River, New Bedford, Massachusetts. *Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy*.
- Woods Hole Group. 2010. Sediment Monitoring Summary Report. New Bedford Harbor Superfund Site, New Bedford, MA. Prepared under Contract W912WJ-09-D-0001 Task Order No 0010 for the U.S. Army Corps of Engineers New England District, Concord, MA.
- Woods Hole Group. 2011a. Environmental Monitoring, Sampling and Analysis Water Quality Monitoring Field Sampling Plan. New Bedford Harbor Superfund Site, New Bedford, MA. Prepared under Contract W912WJ-09-D-0001 Task Order No 0010 for the U.S. Army Corps of Engineers New England District, Concord, MA.
- Woods Hole Group. 2011b. Environmental Monitoring, Sampling and Analysis Quality Assurance Project Plan Addendum. New Bedford Harbor Superfund Site, New Bedford, Massachusetts. Prepared under Contract W912WJ-09-D-0001 Task Order No 0010 for the U.S. Army Corps of Engineers New England District, Concord, MA.

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**APPENDIX A. 2011 CORING PHOTOGRAPHS AND FIELD LOGS
(ON CD)**

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APPENDIX A. 2011 CORING PHOTOGRAPHS AND FIELD LOGS

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Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist: D. Walsh

Vessel: George Hampson

Station ID: NL43

Latitude: 41° 40.501

Core Sample ID: S-11N-C001

Collection Date: 11/15/11

Longitude: 70° 54.802

Water Depth (A): 5.1

Time Arrive Sta.: 10:30

GPS Accuracy: 9 ft

Length of Push Core Assembly (B): 12.25

Time of Collection: 1032

Logged By: DS

Water Surface to Top of Handle (C): 5.6

Time Depart Sta.: 1042

Length of Core (from bottom) (D): 1.2

Collection Equip.: Push core

Tide Elevation (from tide board) (G): ^{DS} 2.1 2.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

^{DS} 2.1 2.7(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ ^{DS} -4.55 -3.45(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ^{DS} -3.35 -2.75(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ ^{DS} -3.10 -2.4(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ (Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.1	ML	Sandy silt	5Y 3/1	loose	Coarse Sand	N/A	S-11N-C001-0-0.5
0.1-1.2	ML ML/CL-4+ 0.8	Sandy silt to Clayey silt, shell (oyster) hash from 0.5 to 1.2	5Y 3/1	moderate to well consolidated	Very coarse sand/ pebble	N/A	

Comments:

- 1 attempt

Sediment Monitoring Summary Report: S-11N-C001-04-0.5
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: NR39Latitude: 41° 40.516Core Sample ID: S-11N-C002Collection Date: 11/15/11Longitude: 70° 54.842Water Depth (A): 5.5Time Arrive Sta.: 1048GPS Accuracy: 9Length of Push Core Assembly (B): 12.3Time of Collection: 1056Logged By: DSWater Surface to Top of Handle (C): 5.3Time Depart Sta.: 1105Length of Core (from bottom) (D): 1.2Collection Equip.: push coreTide Elevation (from tide board) (G): ~~2.2~~ 2.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

~~DS 2.2~~ 2.6(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ ~~DS -5.0~~ -4.4(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS -~~ -(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ ~~DS -3.8~~ -3.2(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ ~~DS -3.5~~ -2.9(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>DS 0-0.4 0-0.3</u>	<u>ML</u>	<u>silt, low sand content</u>	<u>5Y 2.5/1</u>	<u>loose to moderately firm DS</u>	<u>medium sand</u>	<u>light petroleum odor</u>	<u>S-11N-C002-0-0.5</u>
<u>0.3-0.4</u>	<u>ML</u>	<u>silt, low sand content</u>	<u>5Y 3/1</u>	<u>moderately firm</u>	<u>medium sand</u>	<u>light petroleum odor</u>	<u>S-11N-C002-0.5-1</u>
<u>0.4-1.2</u>	<u>ML</u>	<u>silt, low sand content, oyster shell hash</u>	<u>5Y 3/1</u>	<u>moderately firm</u>	<u>cobble (shell), otherwise med. sand</u>	<u>N/A</u>	

Comments:

- 1 attempt

- sample IDs: S-11N-C002-0-0.5
S-11N-C002-0.5-1 } 2 analytical samplesSediment Monitoring Summary Report
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

NC28

Latitude:

41° 40.562

Core Sample ID:

S-11N-C003

Collection Date:

11/15/11

Longitude:

70° 54.853

Water Depth (A):

5.5

Time Arrive Sta.:

1108

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

12.5

Time of Collection:

1116

Logged By:

DS

Water Surface to Top of Handle (C):

5.4

Time Depart Sta.:

1128

Length of Core (from bottom) (D):

1.3

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

~~1.9~~ 2.5

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

~~1.9~~ 2.5(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ ~~-5.20~~ -4.6(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~-3.9~~ -3.3(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ ~~-3.6~~ -3.0(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ (Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.2	ML	sandy silt, low sand content	5Y 2.5/1	loose	medium sand	Petroleum odor	S-11N-C003-0-0.5
0.2-1.3	ML	silt, low to no sand content	5Y 3/1	moderately firm to firm	silt	N/A	

Comments:

- 1 attempt

1 analytical sample: S-11N-C003-0-0.5

- core slumped in core barrel during coring approx. 0.1 ft.
Sediment Monitoring Summary Report
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: NG31Latitude: 41° 40.551Core Sample ID: S-1116-~~138~~-C004Collection Date: 11/15/11Longitude: 70° 54.826Water Depth (A): 4.9Time Arrive Sta.: 1135GPS Accuracy: 9Length of Push Core Assembly (B): 12.2Time of Collection: 1138Logged By: DSWater Surface to Top of Handle (C): 5.6Time Depart Sta.: 1146Length of Core (from bottom) (D): 1.2Collection Equip.: push coreTide Elevation (from tide board) (G): ~~DS 1.6~~ 2.2

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

~~DS 1.6~~ 2.2(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ ~~DS -5.0~~ -4.4(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS -3.8~~ -3.2(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ ~~DS -3.3~~ -2.7(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ (Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.2	ML	Sandy silt, low sand content, some organic debris	5Y 2.5/1	loose	medium sand	N/A	S-1116-C004-0-0.5
0.2-1.0	ML	silt, peaty, organic slightly	5Y 3/1	firm	silt	N/A	
1.0-1.2	DS PT	peat, organic debris	7.5YR 2.5/2	moderately firm, spongy	—	N/A	

Comments:

1 attempt

Sediment Monitoring Summary Report
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: NK32 Latitude: 41° 40.546 Core Sample ID: S-11N-C005
Collection Date: 11/15/11 Longitude: 70° 54.811 Water Depth (A): 4.8
Time Arrive Sta.: 1148 GPS Accuracy: 4 Length of Push Core Assembly (B): 12.2
Time of Collection: 1151 Logged By: DS Water Surface to Top of Handle (C): 5.6
Time Depart Sta.: 1200 Length of Core (from bottom) (D): 1.5
Collection Equip.: push core Tide Elevation (from tide board) (G): ~~1.6~~ 2.2

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): ~~DS 1.6~~ 2.2
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ ~~DS 5.0~~ -4.4
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS 4.86~~ ~~DS 4.26~~ -3.04
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ ~~DS 3.5~~ -2.4
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ ~~DS 3.2~~ -2.6

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

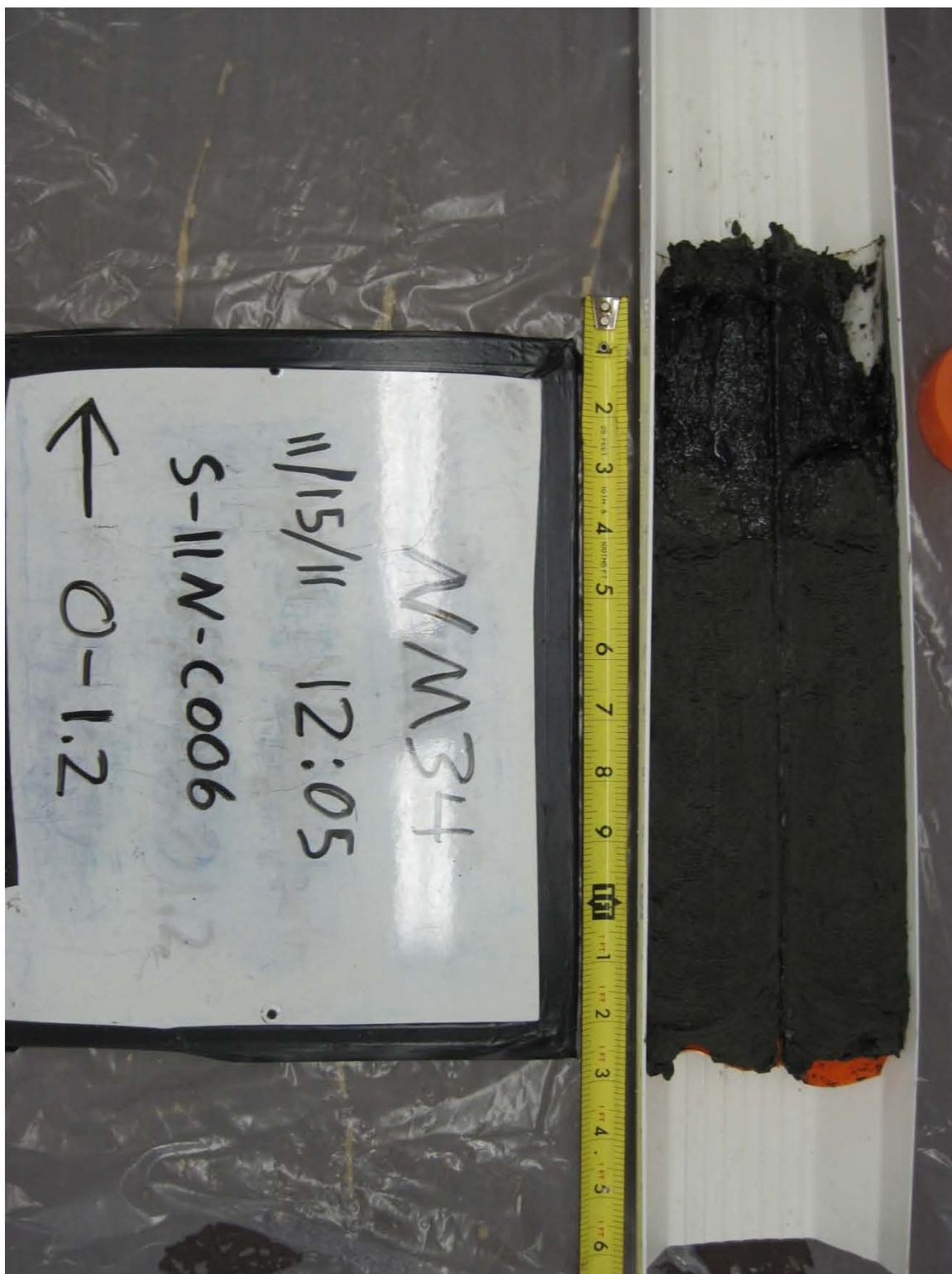
Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>0-0.14</u>	<u>ML/OL</u>	<u>Sandy silt, low sand content, some organic content</u>	<u>5Y 2.5/1</u>	<u>loose</u>	<u>medium sand</u>	<u>Petroleum odor</u>	<u>S-11N-C005-0-0.5</u>
<u>0-0.14 0.14-1.5</u>	<u>ML</u>	<u>Silt, little/no sand, some mixing with 0-0.14 layer at 0.14-0.4, consistency increases at 0.5</u>	<u>5Y 3/1</u>	<u>med. loose to firm</u>	<u>silt</u>	<u>N/A</u>	

Comments:

1 attempt

One analytical sample: S-11N-C005-0.2-0.5
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W912WJ-09-D-0001

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March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

NM34

Latitude:

41° 40.537

Core Sample ID:

S-11N-C006

Collection Date:

11/15/11

Longitude:

70° 54.749

Water Depth (A):

4.3

Time Arrive Sta.:

1202

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

12.3

Time of Collection:

1205

Logged By:

DS

Water Surface to Top of Handle (C):

6.6

Time Depart Sta.:

1210

Length of Core (from bottom) (D):

1.2

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

DS 1.2 1.8

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

1.8

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-3.9

(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS -3.6 -3.0

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-2.7

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-2.5

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.3	OL	organic silt with occasional sand and organic debris	5Y 2S/1	loose	sand/organic debris	Petroleum	S-11N-C006-0-0.5 S-11N-C006-0-0.5MSMSD
0.3-1.2	ML	silt, occasional organic debris, consistency becomes more firm down- core	5Y 3/1	loose to firm	silt	N/A	

Comments:

- 1 attempt

- one analytical sample plus MSMSD:
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W912WJ-09-D-0001

S-11N-C006-0-0.5

S-11N-C006-0-0.5MSMSD

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Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: NH35 Latitude: 41° 40.534 Core Sample ID: S-11N-C007
Collection Date: 11/15/11 Longitude: 70° 54.824 Water Depth (A): 4.1
Time Arrive Sta.: 1214 GPS Accuracy: 9 ft Length of Push Core Assembly (B): 12.3
Time of Collection: 1216 Logged By: DS Water Surface to Top of Handle (C): 6.5
Time Depart Sta.: 1230 Length of Core (from bottom) (D): 1.3
Collection Equip.: push core Tide Elevation (from tide board) (G): 1.6

All measurements are 20.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 1.6
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -4.2
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ DS -3.45 -3.15
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -2.4
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -2.5

(Note if I $\neq$ I₂ within ± 1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.25	OL/ML	Organic, sandy silt, low sand content, not full OL as it looks mixed with ML	5Y 2.5/1	loose	med - to fine sand	N/A DS light petroleum	S-11N-C007-0-0.5
0.25-1.3	ML	Silt, peaty, few organic fragments	5Y 3/1	firm	silt	N/A	

Comments:

- 1 attempt

- Core Analysis Summary Report: S-11N-C007-10-0.5
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March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: ME33 Latitude: 41° 40.543 Core Sample ID: S-11N-C008
Collection Date: 11/15/11 Longitude: 70° 54.841 Water Depth (A): 4.4
Time Arrive Sta.: 1238 GPS Accuracy: 9 m Length of Push Core Assembly (B): 12.2
Time of Collection: 1234 Logged By: DS Water Surface to Top of Handle (C): 6.0
Time Depart Sta.: 1250 Length of Core (from bottom) (D): 1.7
Collection Equip.: push core Tide Elevation (from tide board) (G): ~~0.7~~ 1.3

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 1.3
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -4.9
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS -4.4~~ -3.7
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -3.2
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -3.1

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.5	ML/OL	organic silt w/ some sand, low sand content, large undecomposed plant debris at 0.25-0.45, mix of OL and ML silt	5Y 2.5/1	loose	medium sand, ex excluding organic debris	Petroleum and H ₂ S, light odor	S-11N-C008-0-0.5
0.5-1.7	ML	Sandy silt, low sand content, occasional organic debris	5Y 3/1	firm	fine sand	N/A	

Comments:

- 1 attempt

- ~~Seamless Monitoring~~ Sample: S-11N-C008-0-0.5
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March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

NC 4

Latitude:

41° 40.521

Core Sample ID:

S-11N-C009

Collection Date:

11/15/11

Longitude:

70° 54.816

Water Depth (A):

3.4

Time Arrive Sta.:

1252

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

12.3

Time of Collection:

1255

Logged By:

DS

Water Surface to Top of Handle (C):

7.3

Time Depart Sta.:

1300

Length of Core (from bottom) (D):

1.5

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

DS 0.3 0.4

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.4

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-4.1

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS -3.55 -3.15

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-2.6

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-2.5

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.55 DS	ML/OL	Sandy organic silt, low sand content	5Y 2.5/1	loose	medium sand	Petroleum odor	S-11N-C009-0-0.5
0.55-1.5	ML	Silt w/ occasional shell debris	5Y 3/1	firm	fine sand/ shell piece	N/A	

Comments:

→ slight sheen when core was rinsed, 1 attempt

→ One analytical sample: S-11N-C009-0.5

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March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

NC 32

Latitude:

41° 40.502

Core Sample ID:

S-11N-C010

Collection Date:

11/15/11

Longitude:

70° 54.828

Water Depth (A):

3.5

Time Arrive Sta.:

1306

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

12.3

Time of Collection:

1312

Logged By:

DS

Water Surface to Top of Handle (C):

7.1

Time Depart Sta.:

1321

Length of Core (from bottom) (D):

1.5

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

0.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

0.6

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-4.6

(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-4.1 -3.6

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-3.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-2.9

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.5	OL/ML	Sandy organic silt, occasional shell debris, low sand content	5Y 2.5/1	loose	Medium sand, excluding shells	light petroleum	S-11N-C010-0-0.5
0.5-1.5	ML	Silt w/ fine sand, very low sand content, occasional cobble/pebble	5Y 3/1	med. loose to firm	fine sand as cobble/ pebble	N/A	S-11N-C010-0.5-1.0

Comments:

- 1 attempt, core slumped approx. 0.15 ft upon opening

- two analytical samples: S-11N-C010-0-0.5, S-11N-C010-0.5-1.0





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

GL 21

Latitude:

41° 40.544

Core Sample ID:

S-11N-C011-

Collection Date:

11/15/11

Longitude:

70° 54.447

Water Depth (A):

5.7

Time Arrive Sta.:

1330

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

12.3

Time of Collection:

1335

Logged By:

DS

Water Surface to Top of Handle (C):

5.0

Time Depart Sta.:

1342

Length of Core (from bottom) (D):

1.4

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

DS
-0.4 0.2

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.2

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-7.1

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.7

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-5.5

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

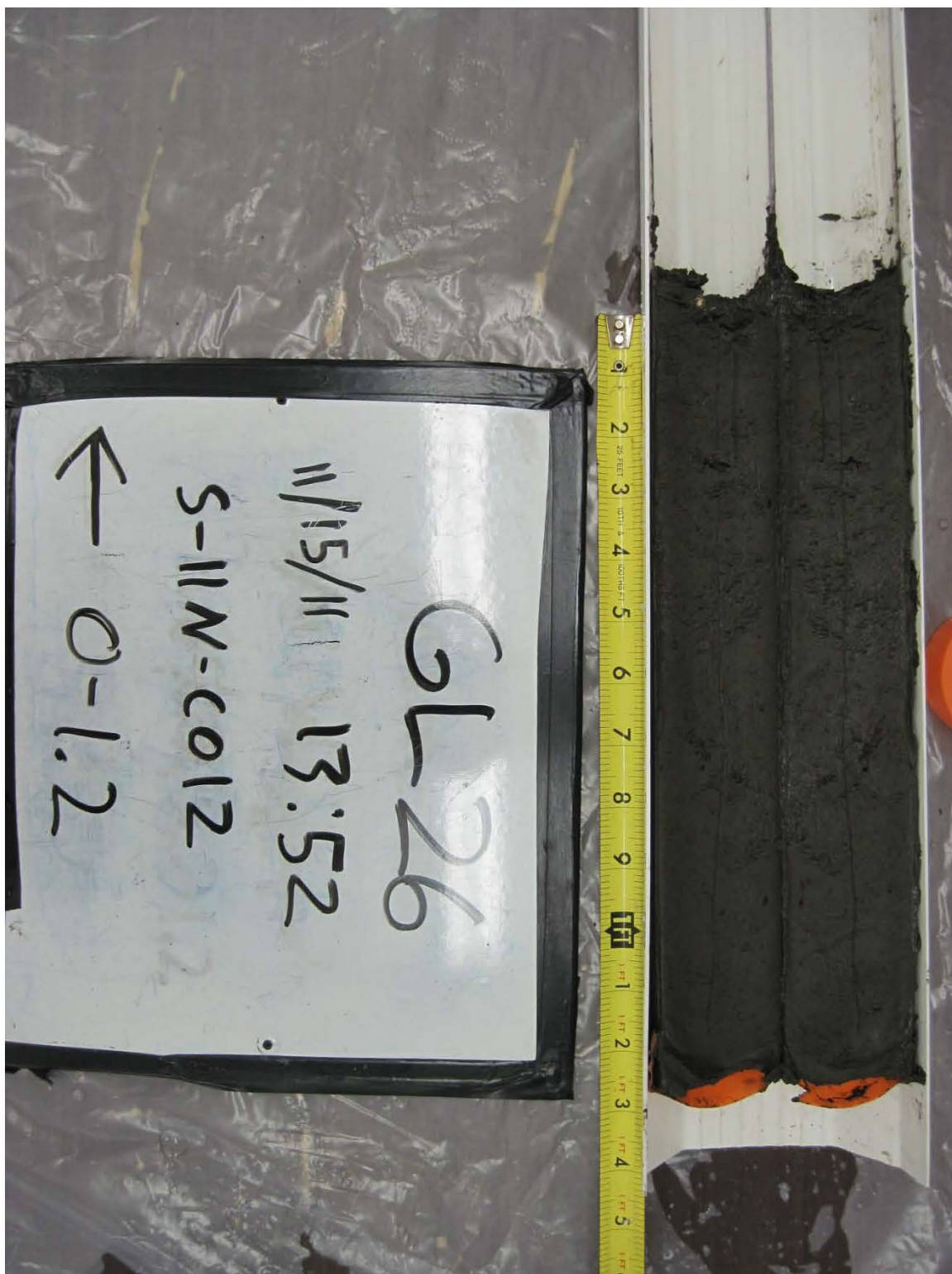
Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.55	ML	Sandy silt with shell fragments	5Y 2.5/2	loose	coarse sand, shell frag.	N/A	S-11N-C011-0-0.5
0.55-1.4	ML	silt, occasional small shell fragment, occasional sand	5Y 3/1	firm	coarse sand	N/A	

Comments:

- 1 attempt

- one analytical sample: S-11N-C011-0-20.5
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W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: GL 26 Latitude: 41° 40.571 Core Sample ID: S-11N-C012Collection Date: 11/15/11 Longitude: 70° 54.947 Water Depth (A): 4.9Time Arrive Sta.: 1348 GPS Accuracy: 9 m Length of Push Core Assembly (B): 12.3Time of Collection: 1352 Logged By: DS Water Surface to Top of Handle (C): 6.0Time Depart Sta.: 1358 Length of Core (from bottom) (D): 1.2Collection Equip.: push core Tide Elevation (from tide board) (G): ~~-0.7~~ -0.1

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

-0.1(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -6.4(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.2(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -5.0(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>0-1.2</u>	<u>ML</u>	<u>Sandy silt, low sand content, occasional shell fragments</u>	<u>5Y 3/1</u>	<u>moderately firm to firm</u>	<u>fine sand</u>	<u>N/A</u>	<u>S-11N-C012-0-0.5</u>

Comments:

1 attemptOne analytical sample: S-11N-C012-0-0.5Sediment Monitoring Summary Report
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March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

GJ28

Latitude:

41° 40.562

Core Sample ID:

S-11W-C013

Collection Date:

11/19/11

Longitude:

70° 54.956

Water Depth (A):

3.7

Time Arrive Sta.:

1405

GPS Accuracy:

9 A

Length of Push Core Assembly (B):

12.3

Time of Collection:

1412

Logged By:

DS

Water Surface to Top of Handle (C):

6.6

Time Depart Sta.:

1418

Length of Core (from bottom) (D):

1.8

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

DS -0.8 -0.2

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

-0.2

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-5.4

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS -5.4 -4.6

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-4.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-3.9

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.5	ML/OL	mix of silt and organics, sand and shell fragments	5Y 2.5/1 +0 5Y 3/1	loose	very coarse sand	light Petroleum	S-11W-C013-0-0.5
0.5-0.85	ML	Silt with sand and occasional shell fragments	5Y 3/1	moderately firm	medium sand, excluding shells	N/A	S-11W-C013-0.5-1.0
0.85-1.8	ML	Silt with occasional sand, low sand content	5Y 3/1	firm	medium sand	N/A	

Comments:

- 1 attempt

- 2 analytical samples: S-11W-C013-0-0.5
S-11W-C013-0.5-1.0Sediment Monitoring Summary Report
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March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: GH24 Latitude: 41° 40.579 Core Sample ID: S-11W-C014
Collection Date: 11/15/11 Longitude: 70° 54.468 Water Depth (A): 4.3
Time Arrive Sta.: 1423 GPS Accuracy: 9 ft Length of Push Core Assembly (B): 12.3
Time of Collection: 1427 Logged By: DS Water Surface to Top of Handle (C): 6.4
Time Depart Sta.: 1434 Length of Core (from bottom) (D): 1.6
Collection Equip.: push core Tide Elevation (from tide board) (G): ~~-1.0~~ -0.4

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board): -0.4
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -6.3
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS -5.45~~ -5.05
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -4.7
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -4.7

(Note if I $\neq$ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>0-0.35</u>	<u>OL/ML</u>	<u>Sandy organic silt, medium to very coarse sand and occasional shell fragments</u>	<u>5Y 2.5/1</u>	<u>loose</u>	<u>very coarse sand</u>	<u>light petroleum</u>	<u>S-11W-C014-0-0.5</u>
<u>0.35-0.8</u>	<u>ML</u>	<u>sandy silt with shell debris</u>	<u>5Y 3/1</u>	<u>loose to mod. firm</u>	<u>coarse sand</u>	<u>N/A</u>	<u>S-11W-C014-0.5-1.0</u>
<u>0.8-1.6</u>	<u>ML</u>	<u>Sandy silt, low sand content</u>	<u>5Y 3/1</u>	<u>firm</u>	<u>med. sand</u>	<u>N/A</u>	

Comments:

- 1 attempt

- 2 analytical samples: S-11W-C014-0-0.5, S-11W-C014-0.5-1.0
Sediment Monitoring Summary Report
W912WJ-09-D-0001
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: KQ19 Latitude: 41° 40.346 Core Sample ID: S-11N-C015
Collection Date: 11/17/11 Longitude: 70° 55.002 Water Depth (A): 7.3
Time Arrive Sta.: 1504 GPS Accuracy: 9 Length of Push Core Assembly (B): 17.2
Time of Collection: 1506 Logged By: DS Water Surface to Top of Handle (C): 7.3
Time Depart Sta.: 1509 Length of Core (from bottom) (D): 2.5
Collection Equip.: push core Tide Elevation (from tide board) (G): 0.5

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 0.5
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -9.4
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -8.0
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -6.9
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -6.8

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

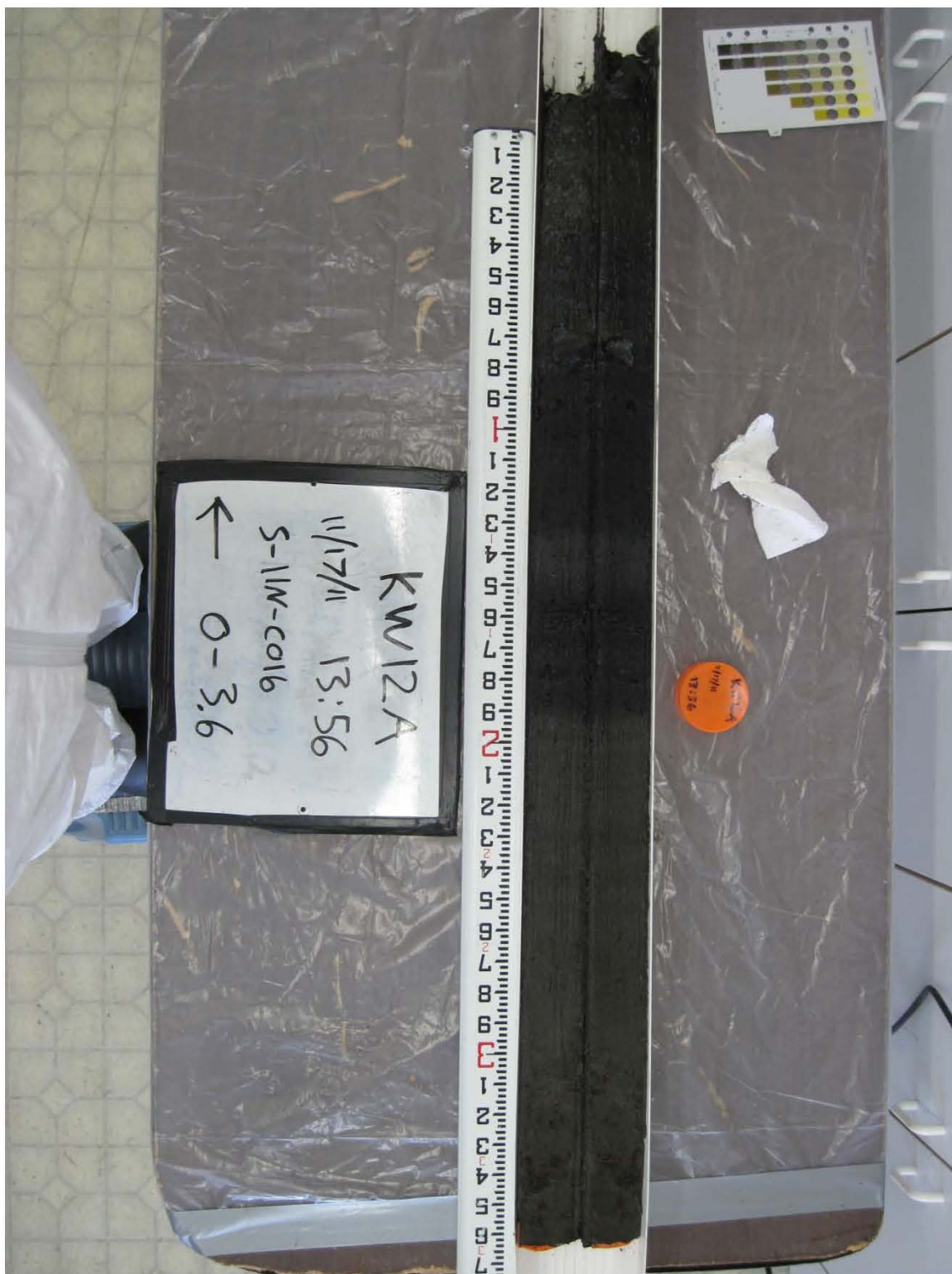
Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.75	OL	sandy organic soil, low sand content, obvious oil sheen	5Y 2.5/1	loose	fine-med sand	strong petroleum, possible H ₂ S	S-11N-C015-0-0.5
0.75-1.1	OL/ML	mix of organic soil and sandy silt, low sand content	5Y 2.5/1 to 5Y 3/1	moderately firm	medium sand	light petroleum	S-11N-C015-0.5-1.0
1.1-2.5	ML	sandy silt, low sand content,	5Y 3/1	firm	medium sand	N/A	S-11N-C015-1.0-1.5

Comments:

- 1 attempt, sheen washed off core during collection

- 3 analytical samples: S-11N-C015-0.5-0.5, S-11N-C015-0.5-1.0, S-11N-C015-1.0-1.5
Sediment Monitoring Summary Report
W912WJ-09-D-0001
Delivery Order 0910-04.5
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KW12A

Latitude:

second core at KW12
41° 40.373

Core Sample ID:

S-11N-C016 •

Collection Date:

11/17/11

Longitude:

70° 54.964

Water Depth (A):

9.3

Time Arrive Sta.:

1342

GPS Accuracy:

9

Length of Push Core Assembly (B):

18.2

Time of Collection:

1356

Logged By:

DS

Water Surface to Top of Handle (C):

5.3

Time Depart Sta.:

1400

Length of Core (from bottom) (D):

3.6

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

1.3

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

1.3

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-11.6

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-9.9

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-8.0

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-8.0

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-1.9	OL	Sandy organic soil, oil sheen evident on sediment surface, some mixing of OL/ML	5Y 2.5/1	loose to moderately firm	medium to coarse sand	Strong petroleum and H ₂ S	S-11N-C016-0-0.5 S-11N-C016-0.5-1.0 S-11N-C016-1.0-2.0
1.9-3.6	ML	Sandy silt with some organic debris near bottom, some mixing with OL near 2.0 ft	5Y 3/1	moderately firm to firm	medium sand excluding peaty/plant debris	mild petroleum and H ₂ S especially near 2.0 ft	S-11N-C016-2.0-3.0

Comments:

- 1 attempt

- Sediment Monitoring Summary Report; S-11N-C016-1.0-0.5, 0.5-1.0, 1.0-2.0
W912WJ-09-D-0001
Deliver Order 3000-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KT15

Latitude:

41° 40.361

Core Sample ID:

S-11N-C017

Collection Date:

11/17/11

Longitude:

70° 54.486

Water Depth (A):

7.4, 7.4

Time Arrive Sta.:

1417

GPS Accuracy:

9

Length of Push Core Assembly (B):

17.2, 17.2

Time of Collection:

1422, 1427

Logged By:

DS

Water Surface to Top of Handle (C):

7.5, 7.3

Time Depart Sta.:

1433

Length of Core (from bottom) (D):

2.0, 2.6

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

0.8, 0.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.8

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-8.4

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.3

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-6.9

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.6

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.4	OL/ML	Sandy organic silt, some shell fragments	5Y 2.5/2	loose	coarse sand excluding shells	light Petroleum	S-11N-C017-0-0.5
0.4-2.0	ML	Sandy silt, low sand content, occasional shell fragments	5Y 3/1	moderately loose to firm	medium sand excluding shells	light H ₂ S	

Comments:

- 1 attempt each, field rep collected as well

- 1 analytical sample: S-11N-C017-0-0.5
Sediment Monitoring Summary Report
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KT15-REP

Latitude:

41° 40.361

Core Sample ID:

S-11N-C017-0-0.5-REP
DS-~~S-11N-C018~~

Collection Date:

11/17/11

Longitude:

70° 54.986

Water Depth (A):

7.4

Time Arrive Sta.:

1417

GPS Accuracy:

9

Length of Push Core Assembly (B):

17.2

Time of Collection:

1422

Logged By:

DS

Water Surface to Top of Handle (C):

7.3

Time Depart Sta.:

1433

Length of Core (from bottom) (D):

2.6

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

0.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.7

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-9.2

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.25

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-6.6

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.7

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.65	OL/ML	Sandy organic silt, mix of OL and ML, some shell fragments	5Y 2.5/2	loose	coarse sand excluding shell frag.	mild petroleum	S-11N-C017-0-0.5-REP
0.65-2.6	ML	Sandy silt with occasional shell fragments, low sand content	5Y 3/1	moderately firm to firm	medium sand excluding shell frag.	N/A	

Comments:

- 1 attempt

- On-Site Analysis Summary Report: S-11N-C017-0-0.5-REP
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: GG21 Latitude: 41° 40.592 Core Sample ID: S-11W-C018
Collection Date: 11/17/11 Longitude: 70° 54.974 Water Depth (A): 5.8
Time Arrive Sta.: 0928 GPS Accuracy: 9 m Length of Push Core Assembly (B): 12.3
Time of Collection: 0933 Logged By: DS Water Surface to Top of Handle (C): 4.5
Time Depart Sta.: 0940 Length of Core (from bottom) (D): 1.6
Collection Equip.: push core Tide Elevation (from tide board) (G): ~~1.0~~ 1.0

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board): 1.0
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -6.8
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~DS -6.6~~ -5.4
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.2
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -4.8

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.2	OL/ML	Sandy organic silt, rare shell fragments, high sand content	5Y 2.5/2	loose	very coarse sand	light H ₂ S	S-11W-C018-0-C0.5
0.2-1.6	ML	Sandy silt, some organic debris, low sand content	5Y 3/1	firm	medium sand	w/A	

Comments:

- 1 attempt

- One analytical sample: S-11W-C018-1-0-0.5
Sediment Monitoring Summary Report
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: GF19Latitude: 41° 40.599Core Sample ID: S-11W-C019Collection Date: 11/17/11Longitude: 70° 54.981Water Depth (A): 7.1Time Arrive Sta.: 0950GPS Accuracy: 9 ftLength of Push Core Assembly (B): 72.172Time of Collection: 0958Logged By: DSWater Surface to Top of Handle (C): 9.2Time Depart Sta.: 1002Length of Core (from bottom) (D): 0.8Collection Equip.: push coreTide Elevation (from tide board) (G): 1.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 1.6(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -6.4(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -6.25 -5.75(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.6(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -5.5(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0 - 0.15	OL/ML	Sandy organic silt, mix of OL & ML	5Y 2.5/2	loose	coarse sand	light H ₂ S	S-11W-C019-0-0.5
0.15 - 0.8	ML	Sandy silt, low sand content, occasional shell fragment	5Y 3/1	firm	medium sand	light H ₂ S	

Comments:

- 1 attempt

Sediment Monitoring Summary Report
W912WJ-09-D-0001
Sample: S-11W-C019-0-0.5Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: GD22 Latitude: 41° 40.587 Core Sample ID: S-11N-CO20-
Collection Date: 11/17/11 Longitude: 70° 54.990 Water Depth (A): 7.2
Time Arrive Sta.: 1012 GPS Accuracy: 9 ft Length of Push Core Assembly (B): 17.1
Time of Collection: 1019 Logged By: DS Water Surface to Top of Handle (C): 8.7
Time Depart Sta.: 1024 Length of Core (from bottom) (D): 1.0
Collection Equip.: push core Tide Elevation (from tide board) (G): 2.0

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 2.0
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -6.4
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -5.9
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.4
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -5.2

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

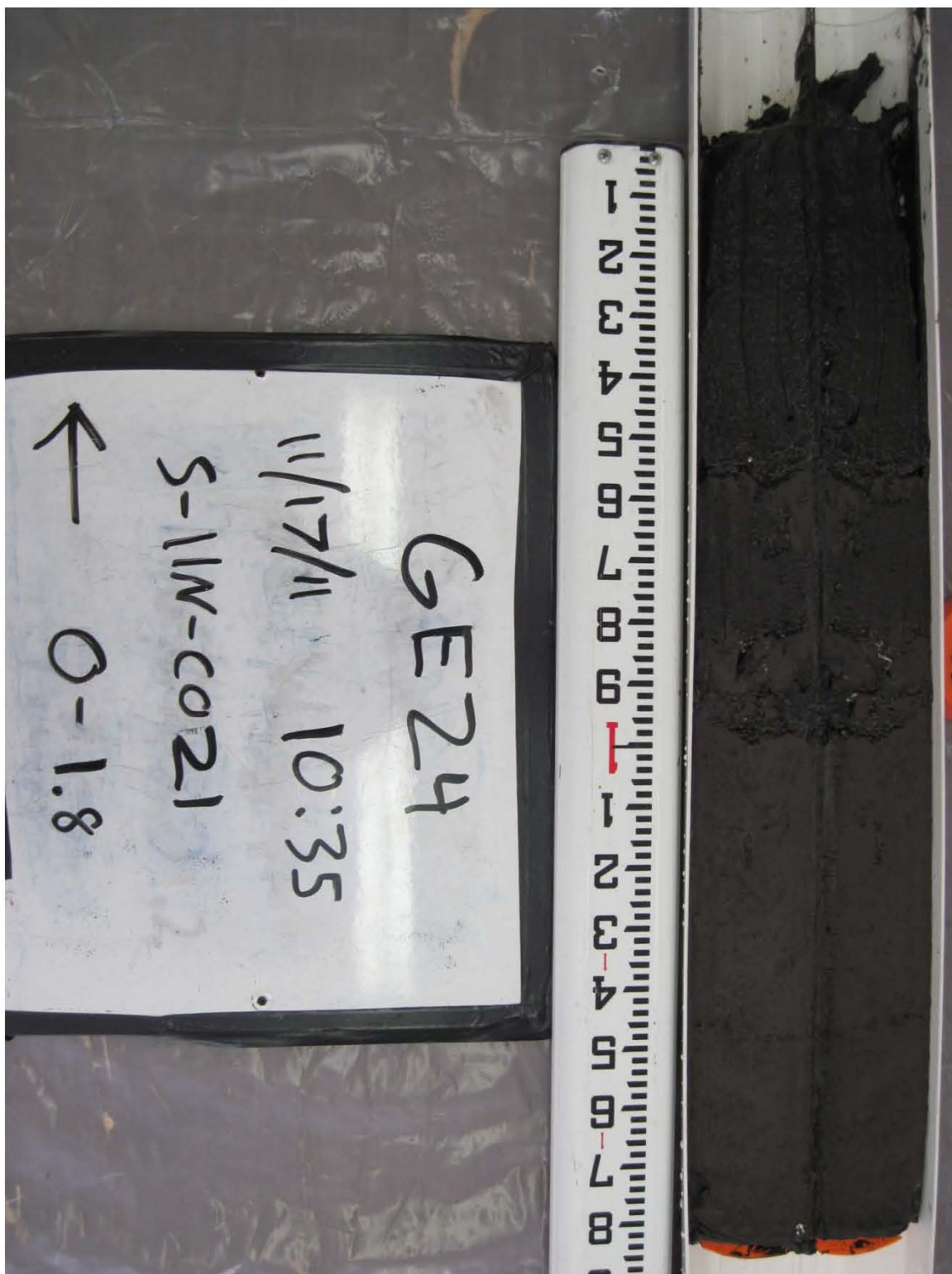
Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.5	OL/ML	Organic silt, low Sand content	5Y 2.5/2	loose	fine sand, silt	N/A	S-11N-CO20-0-0.5
0.5-0.8	SW-SM	well-graded silty Sand with gravel, occasional cobble max 0.05' diameter	5Y 2.5/2 ^{DS} 3/2	moderately firm	cobble, gravel	N/A	
0.8-1.0	ML/PT/SM	Sandy peaty silt, moderate sand content, organic debris	10YR 4/2	firm	coarse sand	N/A	

Comments:

- 1 attempt

- one analytical sample: S-11N-CO20-0-0.5
Sediment Monitoring Summary Report
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

GE24

Latitude:

41° 40.579

Core Sample ID:

S-11N-CO21

Collection Date:

11/17/11

Longitude:

70° 54.984

Water Depth (A):

7.0

Time Arrive Sta.:

1032

GPS Accuracy:

9

Length of Push Core Assembly (B):

17.3

Time of Collection:

1035

Logged By:

DS

Water Surface to Top of Handle (C):

8.2

Time Depart Sta.:

1041

Length of Core (from bottom) (D):

1.8

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

2.2

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

2.2

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-6.9

(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS: -6.35 -5.65

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-4.8

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.55	OL/ML	Sandy organic silt, low sand content, mix of OL and ML	5Y 2.5/2	loose	medium sand	light H ₂ S	S-11N-CO21-0-0.5
0.55-0.95	ML-SM	Sandy Sandy silt, top and bottom of layer defined by lenses of very coarse silty sand, low-moderate sand content within layer, some organic debris	5Y 3/1	moderately firm	very coarse sand	N/A	S-11N-CO21-0.5-1.0
0.95-1.8	ML	sandy silt, low sand content, *	5Y 3/1	firm	medium sand	N/A	

Comments:

- 1 attempt

- 2 analytical samples
Sediment Monitoring Summary Report
W912WJ-09-D-0001

S-11N-CO21-0-0.5, S-11N-CO21-0.5-1.0

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

GD28

Latitude:

41° 40.560

Core Sample ID:

S-11N-CO22

Collection Date:

11/17/11

Longitude:

70° 54.990

Water Depth (A):

5.9

Time Arrive Sta.:

1044

GPS Accuracy:

9 m

Length of Push Core Assembly (B):

17.3

Time of Collection:

1048

Logged By:

DS

Water Surface to Top of Handle (C):

9.4

Time Depart Sta.:

1052

Length of Core (from bottom) (D):

1.6

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

2.3

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

2.3

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-5.6

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-5.05 -4.55

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-4.0

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-3.6

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.55	OL/ML	Sandy organic silt, moderately high sand content,	5Y 2.5/2	loose	very coarse sand	light H ₂ S	S-11N-CO22-0-0.5
0.55-1.6	ML	silt, very low to no sand content except near 0.6 ft which has some coarse sand	5Y 3/1	firm	coarse sand, but mostly silt	N/A	

Comments:

- 1 attempt

- Sediment Monitoring Summary Sample
W912WJ-09-D-0001

A-48

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KPH

Latitude:

41°46.407

Core Sample ID:

S-11N-C023

Collection Date:

11/17/11

Longitude:

70°55.009

Water Depth (A):

6.4

Time Arrive Sta.:

1101

GPS Accuracy:

9.8

Length of Push Core Assembly (B):

17.3

Time of Collection:

1106

Logged By:

DS

Water Surface to Top of Handle (C):

8.6

Time Depart Sta.:

1112

Length of Core (from bottom) (D):

DS 1.8 1.9

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

2.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

2.7

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-6.0

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS -5.1 -5.0

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-4.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-3.7

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.9	OL	Organic soil with sand, moderate sand content, organic debris (twigs), plant stems	5Y 2.5/1	loose	coarse sand	Strong petroleum and H ₂ S	S-11N-C023-0-0.5
0.9-1.2	ML*	Sandy silt, moderately high sand content, occasional pebble	5Y 3/1	firm	pebble, mostly silt	N/A	S-11N-C023-0.5-1.0
1.2-1.9	PT	pebbly	10 YR 2/2	firm	-	DS decay, not H ₂ S	

Comments:

- 1 attempt, plunger was touching core top upon recovery





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KU3

Latitude:

41° 40.410

Core Sample ID:

S-11W-C024

Collection Date:

11/17/11

Longitude:

70° 54.980

Water Depth (A):

7.5

Time Arrive Sta.:

1146

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

161

Time of Collection:

1151

Logged By:

DS

Water Surface to Top of Handle (C):

6.8

Time Depart Sta.:

1203

Length of Core (from bottom) (D):

1.6

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

2.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

2.6

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-6.7

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-5.3

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-4.9

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.2	OL/ML	sandy organic silt, mix of OL + ML, some shell fragments	5Y 2.5/2	loose	coarse sand	light petroleum	S-11W-C024-0-0.5
0.2-1.6	ML	Sandy silt, low sand content decreasing downcore, some shell fragments	5Y 3/1	moderately firm to firm	coarse sand	N/A	

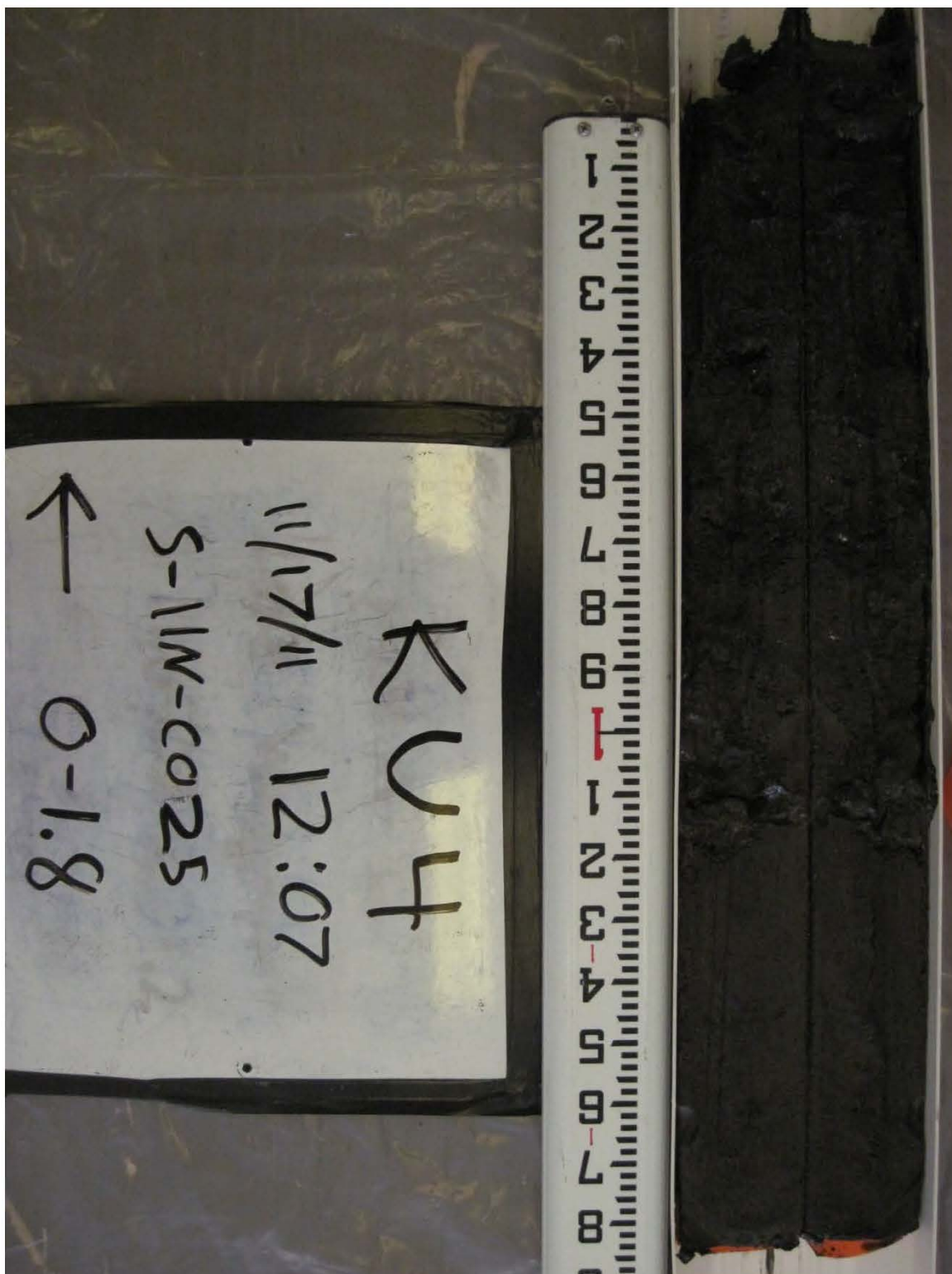
Comments:

- 1 attempt

Sediment Monitoring Summary Report
W912WJ-09-D-0001

Sample S-11W-C024-0-0.5

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist: **KU4**

Vessel:

Station ID: ~~KU4~~ Latitude: 41° 40.406 Core Sample ID: S-11N-C025
Collection Date: 11/17/11 Longitude: 70° 54.981 Water Depth (A): 7.5
Time Arrive Sta.: 1205 GPS Accuracy: 9 m Length of Push Core Assembly (B): 16.2
Time of Collection: 1207 Logged By: DS Water Surface to Top of Handle (C): ~~6.5~~ 1.8
Time Depart Sta.: 1212 Length of Core (from bottom) (D): 1.8
Collection Equip.: push core Tide Elevation (from tide board) (G): 2.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 2.7
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -7.0
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~-5.85~~ -6.35
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.2
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -4.8

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.4	OL	Organic silt, sandy, moderate sand content, Some shell fragments, Oil sheen evident, wood fragment	5Y 2.5/1	loose	coarse sand	strong petroleum	S-11N-C025-0-0.5
0.4-1.15	OL/ML	mix of OL + ML, Sandy organic silt, occasional shell and wood debris	5Y 2.5/2	moderately loose	medium sand	light petroleum	S-11N-C025-0.5-1.0
1.15-1.8	ML	sandy silt, low sand content, occasional plant debris	5Y 3/1	firm	medium sand	N/A	

Comments:

- 1 attempt

- 2 analytical samples: S-11N-C025-0-0.5, S-11N-C025-0.5-1.0
Sediment Monitoring Summary Report W912WJ-09-D-0001
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

Kw7

Latitude:

41° 40.392

Core Sample ID:

S-11N-C026

Collection Date:

11/17/11

Longitude:

70° 54.968

Water Depth (A):

8.8

Time Arrive Sta.:

DS 1229 1219

GPS Accuracy:

9

Length of Push Core Assembly (B):

16.2

Time of Collection:

1223

Logged By:

DS

Water Surface to Top of Handle (C):

6.5

Time Depart Sta.:

1236

Length of Core (from bottom) (D):

1.5

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

3.1

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

3.1

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-6.6

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

DS -6.6 -5.7

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-5.7

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.6	OL	Sandy organic soil, Sheen is evident on surface, occasional shell fragment and woody debris, transition to OL/ML near bottom of layer	5Y 2.5/2	loose	coarse sand	strong petroleum	S-11N-C026-0-0.5
0.6-1.5	ML	silt, little to no sand content,	5Y 3/1	firm	silt	N/A	

Comments:

- 1 attempt

- OAS analytical sample; S-11N-C026-0-0.5
Sediment Monitoring Station
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: KR8 Latitude: 41° 40.388 Core Sample ID: S-11N-C027
Collection Date: 11/17/11 Longitude: 70° 54.996 Water Depth (A): 8.0
Time Arrive Sta.: 1240 GPS Accuracy: 9 Length of Push Core Assembly (B): 16.2
Time of Collection: 1243 Logged By: DS Water Surface to Top of Handle (C): 6.5
Time Depart Sta.: 1250 Length of Core (from bottom) (D): 1.7
Collection Equip.: push core Tide Elevation (from tide board) (G): 2.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 2.6
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -7.1
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ ~~-6.65~~ -5.85
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.4
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -5.4

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.45	OL/ML	Sandy organic silt, mix of OL and ML, wood fragment near surface core top, some sheen on sediment	5Y 2.5/1	loose	coarse sand	light petroleum	S-11N-C027-0-0.5
0.45-1.0	ML	Sandy silt, moderate sand content, possible burrow (soft, void-like sediment)	5Y 3/1	loose to moderately firm	medium sand	N/A	
1.0-1.7	ML	Sandy silt, low sand content	5Y 3/1	firm	medium sand	N/A	

Comments:

- 1 attempt

one analytical sample: S-11N-C027-0-0.5

Sediment Monitoring Summary Report
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: KK10 Latitude: 41° 40.382 Core Sample ID: S-11W-C028
Collection Date: 11/17/11 Longitude: 70° 55.033 Water Depth (A): 5.4
Time Arrive Sta.: 1255 GPS Accuracy: 9 ft Length of Push Core Assembly (B): 16.2
Time of Collection: 1300 Logged By: DS Water Surface to Top of Handle (C): 10.4
Time Depart Sta.: 1313 Length of Core (from bottom) (D): 0.6
Collection Equip.: push core Tide Elevation (from tide board) (G): 2.0

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 2.0
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -3.8
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ DS -3.6 -3.4
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -3.2
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -3.4

(Note if I $\neq$ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>0-0.2</u>	<u>OL</u>	<u>Sandy organic soil, high sand content, Sheen on sediment</u>	<u>5Y 2.5/1</u>	<u>loose</u>	<u>very coarse sand</u>	<u>Petroleum</u>	<u>S-11W-C028-0-0.5</u>
<u>0.2-0.6</u>	<u>ML</u>	<u>gravelly silt with sand, high sand content</u>	<u>5Y 2.5/2</u>	<u>loose to moderately firm</u>	<u>cobble/ pebble</u>	<u>light petroleum</u>	

Comments:

- 1 attempt

- one analytical sample: S-11W-C028-0-0.5
Sediment Monitoring Summary Report
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

K012

Latitude:

41° 40.375

Core Sample ID:

S-11W-C029

Collection Date:

11/17/11

Longitude:

70° 55.014

Water Depth (A):

6.4

Time Arrive Sta.:

1316

GPS Accuracy:

9 ft

Length of Push Core Assembly (B):

17.2

Time of Collection:

1320

Logged By:

DS

Water Surface to Top of Handle (C):

9.0

Time Depart Sta.:

1329

Length of Core (from bottom) (D):

1.5

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

1.7

All measurements are to 0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

1.7

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-6.5

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.0

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-4.7

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

External Description, Date:

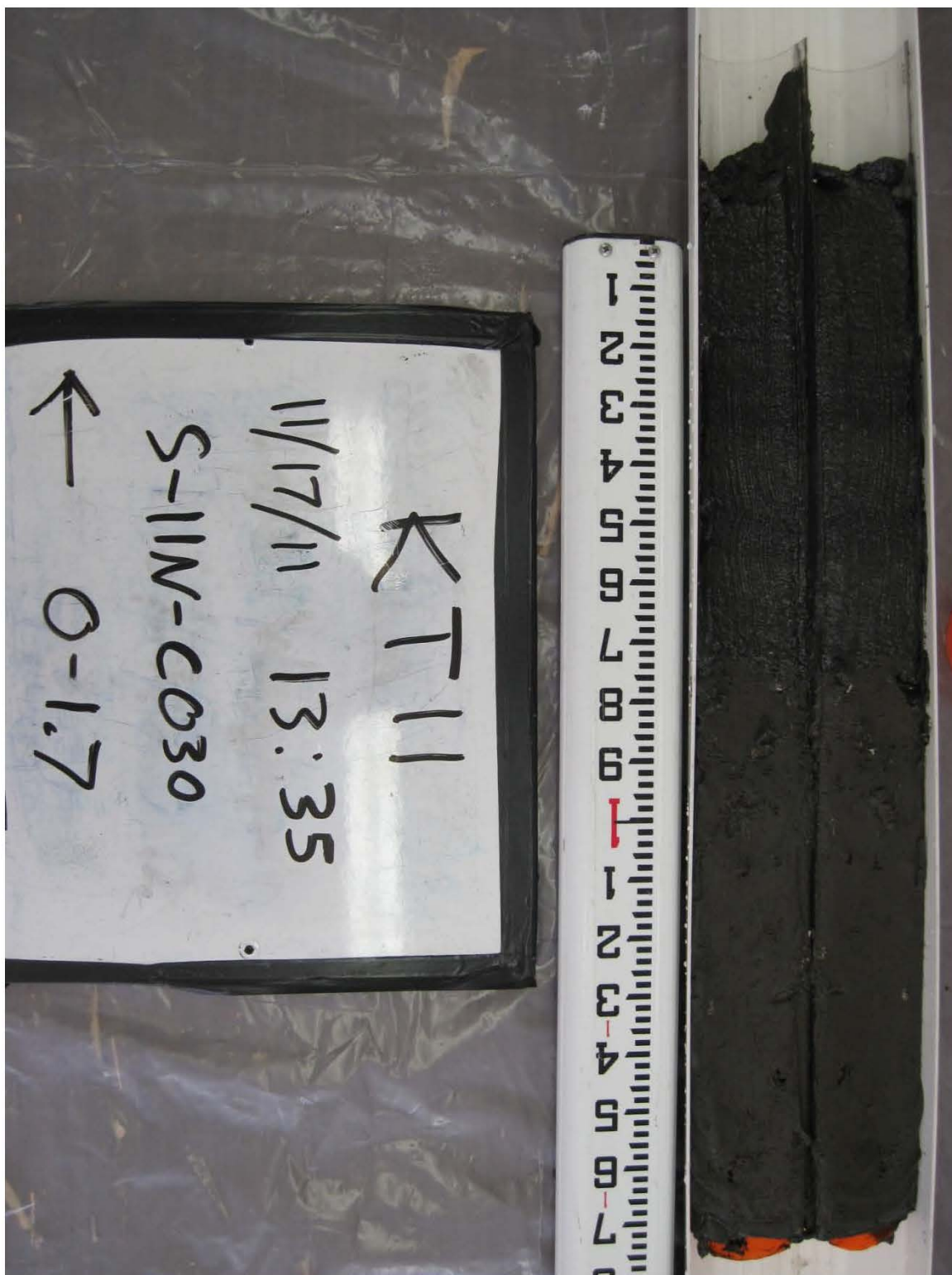
Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0 - 1.5	ML	sandy silt, low sand content, very small (~0.02 ft) lens of OL/ML on core top; occasional plant debris - roots	5Y 3/1	firm	medium sand	light H ₂ S near top	S11W-C029-0-0.5

Comments:

- 1 attempt

- Sediment Monitoring Summary Report
W912WJ-09-D-0001 sample: S-11W-C029-0-0.5Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring
Project #: W912WJ-09-D-0001, Task Order No. 0010
Location: New Bedford, MA
Chief Scientist:

Client: USACE NAE

Vessel:

Station ID: KT11 Latitude: 41° 40.378 Core Sample ID: S-11W-C030
Collection Date: 11/17/11 Longitude: 70° 54.986 Water Depth (A): 6.9
Time Arrive Sta.: 1332 GPS Accuracy: 9 Length of Push Core Assembly (B): 16.3
Time of Collection: 1335 Logged By: DS Water Surface to Top of Handle (C): 7.2
Time Depart Sta.: 1340 Length of Core (from bottom) (D): 1.7
Collection Equip.: Push core Tide Elevation (from tide board) (G): 1.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 1.7
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -7.4
(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -6.4
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -5.7
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -5.2

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.7	OL	Sandy organic silt, low sand content, occasional plant debris, green on sediment surface	5Y 2.5/1	loose	medium sand	heavy petroleum	S-11W-C030-0-0.5 S-11W-C030-0-0.5 MSMSD
0.7-1.7	ML	sandy silt with shell fragments, low sand content	5Y 3/1	firm	medium sand	light H ₂ S	S-11W-C030-0.5-1.0 S-11W-C030-0.5-1.0 MSMSD

Comments:

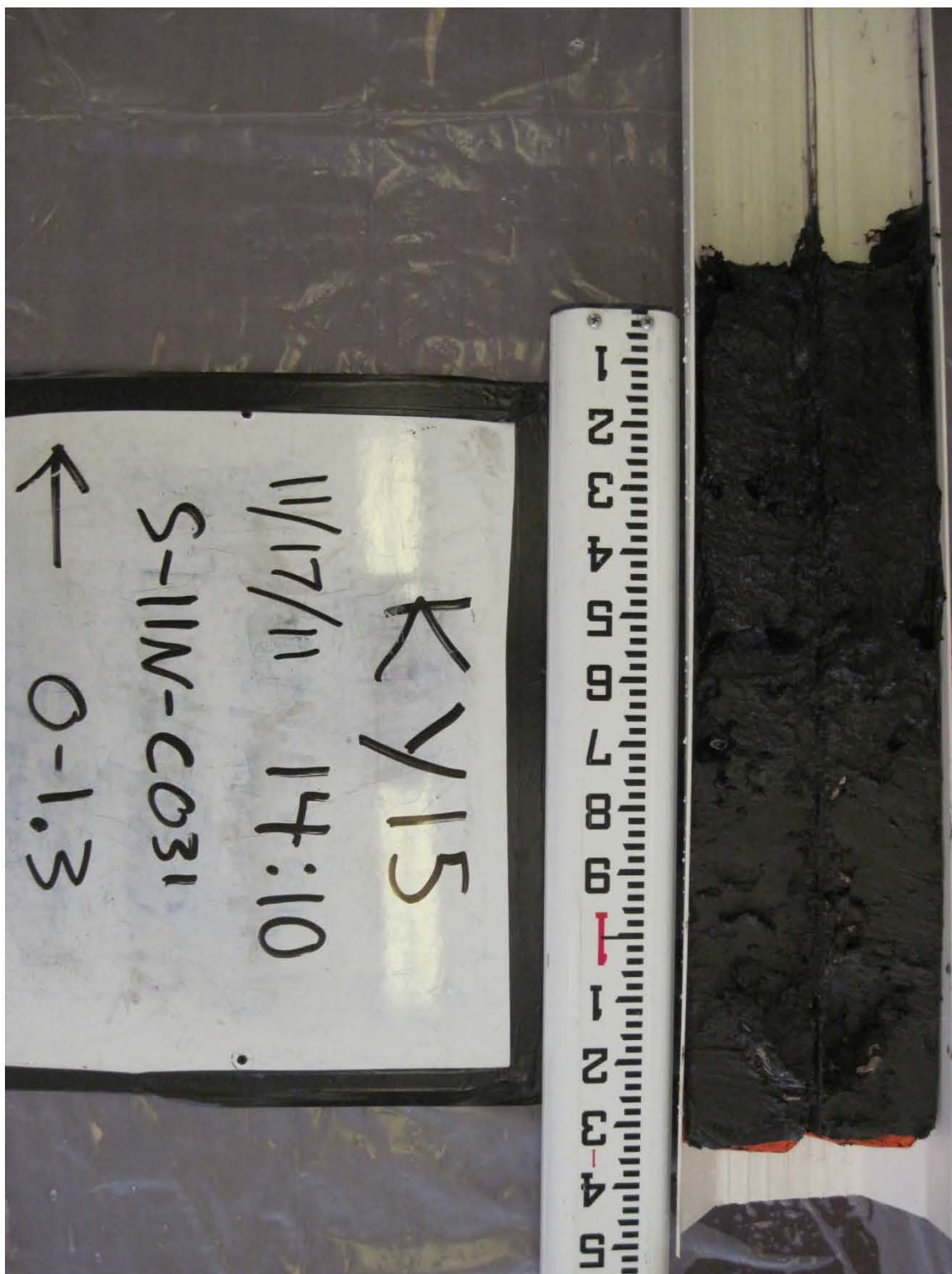
- 1 attempt

- 2 analytical samples plus ~~MSMSD~~ MSMSD

Sediment Monitoring Summary Report
W912WJ-09-D-0001

S-11W-C030-0-0.5
S-11W-C030-0-0.5 MSMSD
S-11W-C030-0.5-1.0

~~S-11W-C030-0.5-1.0 MSMSD~~
0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KY15

Latitude:

41° 46.361

Core Sample ID:

S-11W-C031

Collection Date:

4/17/11

Longitude:

70° 54.959

Water Depth (A):

7.6

Time Arrive Sta.:

1407

GPS Accuracy:

9

Length of Push Core Assembly (B):

16.2

Time of Collection:

1410

Logged By:

DS

Water Surface to Top of Handle (C):

7.1

Time Depart Sta.:

1414

Length of Core (from bottom) (D):

1.3

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

1.0

All measurements are 50.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

1.0

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-8.1

(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.45

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-6.8

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.6

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.65	OL/ML	sandy organic soil (OL) grading to sandy organic silt (ML), moderate sand content, sheen on OL near core top, common shell and woody debris	5Y 2.5/1 to 5Y 2.5/2	loose	coarse sand, excluding shells + wood	petroleum	S-11W-C031-0-0.5 S-11W-C031-0-0.5QA
0.65-1.3	ML	sandy silt with shell debris, large (0.1') piece of shell near core bottom low sand content	5Y 3/1	firm	medium to fine sand excluding shells	light H ₂ S	S-11W-C031-0.5-1.0

Comments:

- 1 attempt

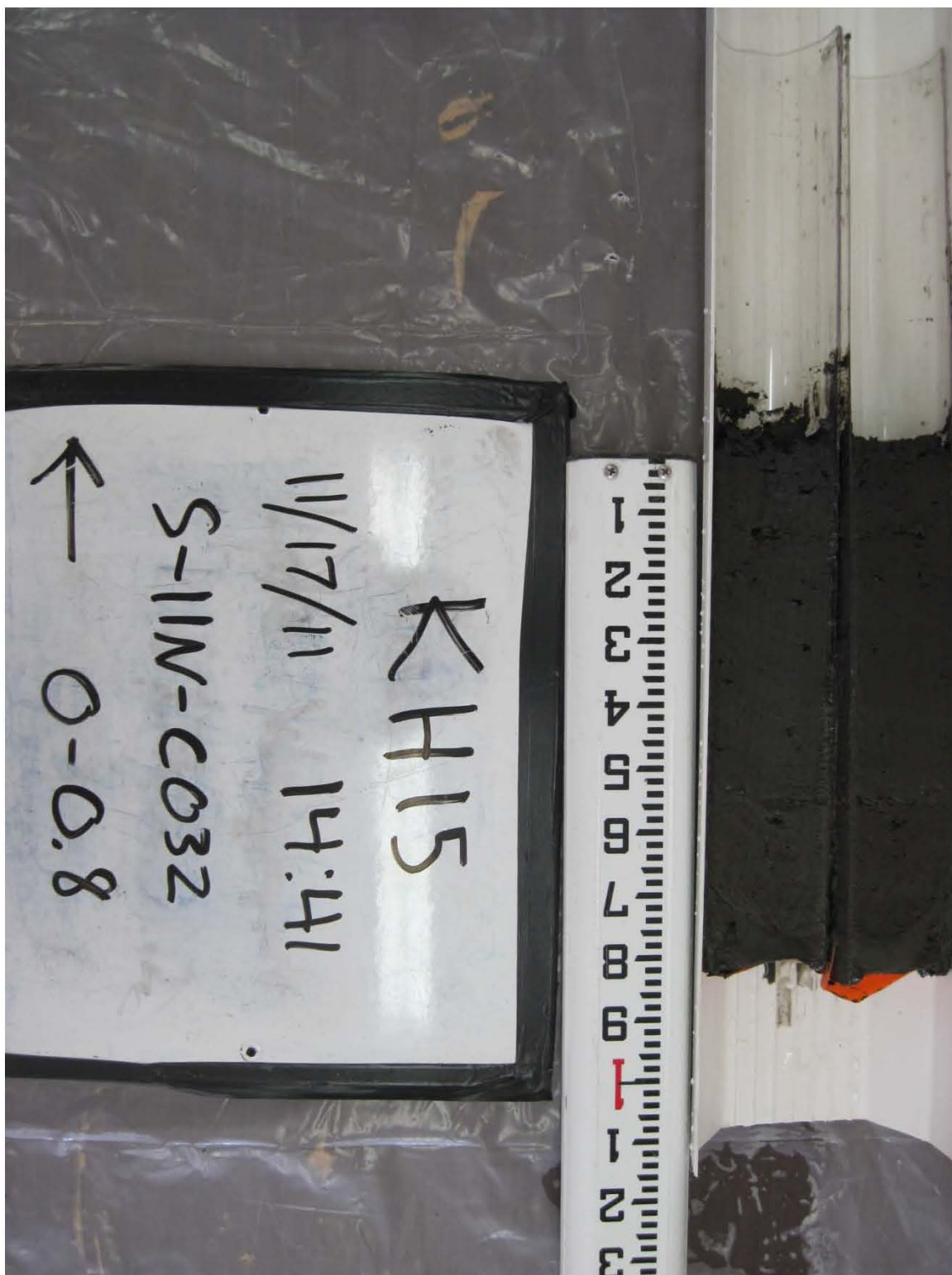
- 2 additional samples plus QA :
Sediment and Water Sampling
W912WJ-09-D-0001

S-11W-C031-0-0.5

S-11W-C031-0-0.5QA

S-11W-C031-0.5-1.0

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KH15

Latitude:

41° 40.361

Core Sample ID:

S-11N-C032

Collection Date:

11/17/11

Longitude:

70° 55.053

Water Depth (A):

3.4

Time Arrive Sta.:

1437

GPS Accuracy:

9

Length of Push Core Assembly (B):

6.7

Time of Collection:

1441

Logged By:

DS

Water Surface to Top of Handle (C):

1.3

Time Depart Sta.:

1445

Length of Core (from bottom) (D):

0.8, 0.4 water in barrel

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

0.8

All measurements are 20.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.8

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-4.6

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-3.8

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-2.6

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.8	ML	sandy silt, low sand content	5Y 3/1	firm	medium sand	light H ₂ S	S-11N-C032-0-0.5

Comments:

-1 attempt

-one analytical sample: S-11N-C032-0-0.5

Sediment Monitoring Summary Report
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: KM17 Latitude: 41° 40.354 Core Sample ID: S-11N-C033
Collection Date: 11/17/11 Longitude: 70° 55.025 Water Depth (A): 4.8
Time Arrive Sta.: 021449 GPS Accuracy: 9 Length of Push Core Assembly (B): DS 16.2 7.2
Time of Collection: 1454 Logged By: DS Water Surface to Top of Handle (C): 0.9
Time Depart Sta.: 1501 Length of Core (from bottom) (D): 1.3
Collection Equip.: push core Tide Elevation (from tide board) (G): 0.7

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board): 0.7
(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -5.6
(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -4.8
(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -4.3
(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -4.1

(Note if I $\neq$ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.5	OL/ML	Sandy organic silt, mix of OL and ML, moderate sand content, shell fragments, whole shell at 0.4'	5Y 2.5/2	moderately Loose	medium sand excluding shells	light H ₂ S and petroleum	S-11N-C033-0-0.5
0.5-1.3	ML	sandy silt, some shell fragments, some mottling perhaps DS animal burrows	5Y 3/1	firm	medium sand	light H ₂ S	

Comments:

- 1 attempt

- Core Analysis of Sample S-11N-C033-0.7 to 0.5
W912WJ-09-D-0001

Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KU20

Latitude:

41° 40.342

Core Sample ID:

S-11W-C034

Collection Date:

11/17/11

Longitude:

70° 54.981

Water Depth (A):

6.9

Time Arrive Sta.:

1513

GPS Accuracy:

9

Length of Push Core Assembly (B):

17.2

Time of Collection:

1517

Logged By:

DS

Water Surface to Top of Handle (C):

8.0

Time Depart Sta.:

1523

Length of Core (from bottom) (D):

2.0

Collection Equip.:

pushcore

Tide Elevation (from tide board) (G):

0.4

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

0.4

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-8.8

(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.25

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-6.8

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.5

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.45	OL	sandy organic soil, sheen evident, low sand content	5Y 2.5/1 4/1	Loose	medium sand	Strong H ₂ S + petroleum	S-11W-C034-0-0.5
0.45-0.95	ML	sandy silt, common shell fragments, moderate sand content	5Y 3/1	moderately firm	medium sand	light H ₂ S	S-11W-C034-0.5-1.0
0.95-1.6	ML	sandy silt with many shell fragments and woody debris and occasional cobble	5Y 3/1	firm	cobble	N/A	
1.6-2.0	ML	sandy silt, low sand content	5Y 3/1	firm	medium sand	N/A	

Comments:

1 attempt

Sediment Monitoring Summary Report: S-11W-C034-0-0.5, S-11W-C034-0.5-1.0
W912WJ-09-D-0001 Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KL20

Latitude:

41° 40.340

Core Sample ID:

S-11W-C035

Collection Date:

11/22/11

Longitude:

70° 55.031

Water Depth (A):

4.3

Time Arrive Sta.:

0854

GPS Accuracy:

9

Length of Push Core Assembly (B):

17.2

Time of Collection:

0859

Logged By:

DS

Water Surface to Top of Handle (C):

10.3

Time Depart Sta.:

0910

Length of Core (from bottom) (D):

2.4

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

-0.6

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

-0.6

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-7.5

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-6.9

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-5.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-4.9

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-1.4	OL/ML	organic sandy silt mix, high sand content, mostly OL from 0-0.3 then mixing, occasional shell fragments	5Y 2.5/2	Loose	coarse sand	strong petroleum especially near top	S-11W-C035-0-0.5
1.4-1.8	OL/ML	organic sandy silt mix, low sand content, more ML than OL, mottling color, slightly firmer	5Y 2.5/2	moderately firm	medium sand	light petroleum	S-11W-C035-0.8-1.3
1.8-2.4	ML	sandy silt, low sand content,	5Y 3/1	firm	medium sand	light H ₂ S	S-11W-C035-1.3-1.8

Comments:

- 1 attempt

Sediment Monitoring Summary Report
W912WJ-09-D-0001Samples: S-11W-C035-0-0.5, ... 0.8-1.3, ... 1.3-1.8
Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KM23

Latitude:

41° 40.328

Core Sample ID:

S-11W-C036-

Collection Date:

11/22/11

Longitude:

70° 55.024

Water Depth (A):

61 / 5.9 DS

Time Arrive Sta.:

0914

GPS Accuracy:

9

Length of Push Core Assembly (B):

16.3 / 14.2 DS

Time of Collection:

0919-0927

Logged By:

DS

Water Surface to Top of Handle (C):

6.5 / 8.3 DS

Time Depart Sta.:

0930

Length of Core (from bottom) (D):

1.5 / 1.7 DS

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

-0.8 / -0.4 DS

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

-0.8

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-8.6

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.8

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-7.1

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.9

(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-0.7	OL	Organic soil, sandy, mixing with ML near 0.5-0.7, moderate sand content, sheen on sediment especially near core top	5Y 2.5/1	loose	coarse sand	strong petroleum	S-11W-C036-0.2-0.7
0.7-1.5	ML	no sandy silt, low sand content, some mixing near layer boundary	5Y 3/1	firm	medium sand	light H ₂ S	

Comments:

- 1 attempt

Sediment Monitoring Summary Report; S-11W-C036-0.2-0.7
W912WJ-09-D-0001Delivery Order 0010-04
March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID: KM 23-REP Latitude: 41° 40.328Core Sample ID: S-11N-C036-0.2-0.7-REPCollection Date: 11/22/11 Longitude: 70° 55.024Water Depth (A): 5.9Time Arrive Sta.: 0914 GPS Accuracy: 9Length of Push Core Assembly (B): 16.2Time of Collection: 0927-0919 Logged By: DSWater Surface to Top of Handle (C): 8.3Time Depart Sta.: 0930Length of Core (from bottom) (D): 1.7Collection Equip.: push coreTide Elevation (from tide board) (G): -0.9

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NGVD) (as read from tide board):

-0.9(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$ -8.8(z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$ -7.85(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$ -7.1(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$ -6.8(Note if I ≠ I₂ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
<u>0 - 0.75</u>	<u>OL</u>	<u>Sandy organic soil, high sand content, occasional shell & shell fragment, some mixing with ML near 0.7</u>	<u>5Y 2S/1</u>	<u>loose</u>	<u>medium sand</u>	<u>strong petroleum</u>	<u>S-11N-C036-0.2-0.7-REP</u>
<u>0.75 - 1.7</u>	<u>ML</u>	<u>Sandy silt, low sand content, some areas of localized lower consistency (burrows?)</u>	<u>5Y 3/1</u>	<u>firm</u>	<u>medium sand</u>	<u>N/A</u>	

Comments:

1 attempt

Seabed Monitoring Summary Report Sample: S-11N-C036-0.2-0.7-REP Delivery Order 0010-04
W912WJ-09-D-0001 March 2012





Project Name: New Bedford Harbor Environmental Monitoring

Client: USACE NAE

Project #: W912WJ-09-D-0001, Task Order No. 0010

Location: New Bedford, MA

Chief Scientist:

Vessel:

Station ID:

KQ23

Latitude:

41° 40.330

Core Sample ID:

S-11W-C037

Collection Date:

11/22/11

Longitude:

70° 55.003

Water Depth (A):

5.1

Time Arrive Sta.:

0938

GPS Accuracy:

9

Length of Push Core Assembly (B):

16.1

Time of Collection:

0943

Logged By:

DS

Water Surface to Top of Handle (C):

9.0

Time Depart Sta.:

0953

Length of Core (from bottom) (D):

1.7

Collection Equip.:

push core

Tide Elevation (from tide board) (G):

-1.1

All measurements are ±0.1 foot

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD) (as read from tide board):

-1.1

(H) Elevation of the bottom of the core (NGVD): $G - (B - C)$

-8.2

(Z*) Elevation of visual transition (NGVD): $H + (\text{distance to visual transition})$

-7.95

(I) Elevation of the sediment-water interface as measured from bottom of core (NGVD): $H + D$

-6.5

(I₂) Elevation of the sediment-water interface as measured from water depth (NGVD): $G - A$

-6.2

(Note if $I \neq I_2$ within ±1.0 feet, discard and resample)

External Description, Date:

Internal Core Description, Date:

Core Length Interval (0' = core top)	Lithology (USCS Code)	Sediment Type/Description	Munsell Color	Consistency	Maximum Particle Size	Odor	Sample IDs
0-1.45	OL/ML	Sandy organic silt with shell fragments, low to moderate sand content, firm Consistency becomes more firm downcore, some shoen evident near layer bottom	5Y 2.5/2	loose to moderately firm	coarse sand, excluding shell frag.	strong petroleum and H ₂ S	S-11W-C037-0-0.5 S-11W-C037-1.0-1.5
1.45-1.7	ML	Sandy silt, low sand content	5Y 3/1	firm	medium sand	N/A	

Comments:

- 1 attempt

Sediment Monitoring Summary Report
W912WJ-09-D-0001Samples: S-11W-C037-0-0.5, S-11W-C037-1.0-1.5
March 2012

**APPENDIX B. ALPHA ANALYTICAL LABORATORIES
ANALYTICAL DATA REPORTS (ON CD)**

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APPENDIX B. ALPHA ANALYTICAL LABORATORIES ANALYTICAL DATA REPORTS

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ANALYTICAL REPORT

Lab Number:	L1119291
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	12/21/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119291-01	S-11N-C001-0-0.5	NEW BEDFORD, MA	11/15/11 10:32
L1119291-02	S-11N-C002-0-0.5	NEW BEDFORD, MA	11/15/11 10:56
L1119291-03	S-11N-C002-0.5-1.0	NEW BEDFORD, MA	11/15/11 10:56
L1119291-04	S-11N-C003-0-0.5	NEW BEDFORD, MA	11/15/11 11:16
L1119291-05	S-11N-C004-0-0.5	NEW BEDFORD, MA	11/15/11 11:38
L1119291-06	S-11N-C005-0-0.5	NEW BEDFORD, MA	11/15/11 11:51
L1119291-07	S-11N-C006-0-0.5	NEW BEDFORD, MA	11/15/11 12:05
L1119291-08	S-11N-C007-0-0.5	NEW BEDFORD, MA	11/15/11 12:16
L1119291-09	S-11N-C008-0-0.5	NEW BEDFORD, MA	11/15/11 12:34
L1119291-10	S-11N-C009-0-0.5	NEW BEDFORD, MA	11/15/11 12:55
L1119291-11	S-11N-C010-0-0.5	NEW BEDFORD, MA	11/15/11 13:12
L1119291-12	S-11N-C010-0.5-1.0	NEW BEDFORD, MA	11/15/11 13:12
L1119291-13	S-11N-C011-0-0.5	NEW BEDFORD, MA	11/15/11 13:35
L1119291-14	S-11N-C012-0-0.5	NEW BEDFORD, MA	11/15/11 13:52
L1119291-15	S-11N-C013-0-0.5	NEW BEDFORD, MA	11/15/11 14:12
L1119291-16	S-11N-C013-0.5-1.0	NEW BEDFORD, MA	11/15/11 14:12
L1119291-17	S-11N-C014-0-0.5	NEW BEDFORD, MA	11/15/11 14:27
L1119291-18	S-11N-C014-0.5-1.0	NEW BEDFORD, MA	11/15/11 14:27

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 17, 2011 and initial percent solids were performed. The samples were placed in frozen storage after air-drying on November 21, 2011. Samples were removed from frozen storage on November 28, 2011 when they were removed to extract samples for PCB Congener analysis and analyze for air-dried percent solids.

PCB Congeners by GC/ECD

The PCB Congener analysis was performed utilizing dual column confirmation with the higher of the two values reported. Technical judgment was employed in the case of an observed interference. In each case that interference was observed on one column, the value from the opposite column was reported regardless of whether it was the higher or lower value.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Case Narrative (continued)

L1119291-01, -04 through -18 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1119291-01, 04, through -18 are below the acceptance criteria due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The MS/MSD was not reported due to the high concentrations and dilution needed for the field sample utilized for MS/MSD.

The WG504994-2 LCS recoveries, associated with L1119291-12, are above the individual acceptance criteria for CI4-BZ#52 (194%), but within the overall method allowances. The results of the associated samples are reported.

The WG504994-3 LCS/LCSD RPD(s), associated with L1119291-12, are above the acceptance criteria for CI4-BZ#52 (32%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cynthia McQueen

Title: Technical Director/Representative

Date: 12/21/11

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-01
Client ID: S-11N-C001-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 17:47
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:32
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	937		ug/kg	329	--	250
CI4-BZ#52	2530		ug/kg	329	--	250
CI5-BZ#105	ND		ug/kg	329	--	250
CI6-BZ#138	ND		ug/kg	329	--	250
CI7-BZ#187	ND		ug/kg	329	--	250
CI6-BZ#128	ND		ug/kg	329	--	250
CI7-BZ#180	ND		ug/kg	329	--	250
CI7-BZ#170	ND		ug/kg	329	--	250
CI8-BZ#195	ND		ug/kg	329	--	250
CI9-BZ#206	ND		ug/kg	329	--	250
CI10-BZ#209	ND		ug/kg	329	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-01
Client ID: S-11N-C001-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 17:47
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:32
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	399		ug/kg	329	--	250
Cl3-BZ#28	880		ug/kg	329	--	250
Cl4-BZ#44	744		ug/kg	329	--	250
Cl4-BZ#66	618		ug/kg	329	--	250
Cl5-BZ#101	365		ug/kg	329	--	250
Cl5-BZ#118	ND		ug/kg	329	--	250
Cl6-BZ#153	338		ug/kg	329	--	250

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-02
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 18:31
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	154		ug/kg	27.0	--	20
CI4-BZ#52	320		ug/kg	27.0	--	20
CI5-BZ#105	ND		ug/kg	27.0	--	20
CI6-BZ#138	30.8		ug/kg	27.0	--	20
CI7-BZ#187	ND		ug/kg	27.0	--	20
CI6-BZ#128	ND		ug/kg	27.0	--	20
CI7-BZ#180	ND		ug/kg	27.0	--	20
CI7-BZ#170	ND		ug/kg	27.0	--	20
CI8-BZ#195	ND		ug/kg	27.0	--	20
CI9-BZ#206	ND		ug/kg	27.0	--	20
CI10-BZ#209	ND		ug/kg	27.0	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	109		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-02
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 18:31
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	79.2		ug/kg	27.0	--	20
Cl3-BZ#28	142		ug/kg	27.0	--	20
Cl4-BZ#44	74.7		ug/kg	27.0	--	20
Cl4-BZ#66	73.8		ug/kg	27.0	--	20
Cl5-BZ#101	49.0		ug/kg	27.0	--	20
Cl5-BZ#118	27.2		ug/kg	27.0	--	20
Cl6-BZ#153	45.2		ug/kg	27.0	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	109		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-03
Client ID: S-11N-C002-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 19:16
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	10.1		ug/kg	2.68	--	2
CI4-BZ#52	30.8		ug/kg	2.68	--	2
CI5-BZ#118	10.9		ug/kg	2.68	--	2
CI6-BZ#138	9.92		ug/kg	2.68	--	2
CI6-BZ#128	ND		ug/kg	2.68	--	2
CI7-BZ#180	3.12		ug/kg	2.68	--	2
CI8-BZ#195	ND		ug/kg	2.68	--	2
CI9-BZ#206	ND		ug/kg	2.68	--	2
CI10-BZ#209	ND		ug/kg	2.68	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-03
Client ID: S-11N-C002-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 19:16
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	3.31		ug/kg	2.68	--	2
CI3-BZ#28	7.79		ug/kg	2.68	--	2
CI4-BZ#44	9.50		ug/kg	2.68	--	2
CI4-BZ#66	13.4		ug/kg	2.68	--	2
CI5-BZ#101	13.2		ug/kg	2.68	--	2
CI6-BZ#153	10.6		ug/kg	2.68	--	2
CI5-BZ#105	3.58		ug/kg	2.68	--	2
CI7-BZ#187	2.74		ug/kg	2.68	--	2
CI7-BZ#170	ND		ug/kg	2.68	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-04
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 20:00
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	639		ug/kg	270	--	200
CI3-BZ#18	1000		ug/kg	270	--	200
CI4-BZ#52	3110		ug/kg	270	--	200
CI5-BZ#118	307		ug/kg	270	--	200
CI5-BZ#105	ND		ug/kg	270	--	200
CI6-BZ#138	361		ug/kg	270	--	200
CI7-BZ#187	ND		ug/kg	270	--	200
CI6-BZ#128	ND		ug/kg	270	--	200
CI7-BZ#180	ND		ug/kg	270	--	200
CI7-BZ#170	ND		ug/kg	270	--	200
CI8-BZ#195	ND		ug/kg	270	--	200
CI9-BZ#206	ND		ug/kg	270	--	200
CI10-BZ#209	ND		ug/kg	270	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-04
 Client ID: S-11N-C003-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/01/11 20:00
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 11:16
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	826		ug/kg	270	--	200
CI4-BZ#44	780		ug/kg	270	--	200
CI4-BZ#66	612		ug/kg	270	--	200
CI5-BZ#101	534		ug/kg	270	--	200
CI6-BZ#153	444		ug/kg	270	--	200
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-05
Client ID: S-11N-C004-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 20:44
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:38
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2380		ug/kg	331	--	250
CI3-BZ#18	2230		ug/kg	331	--	250
CI5-BZ#118	ND		ug/kg	331	--	250
CI5-BZ#105	ND		ug/kg	331	--	250
CI6-BZ#138	497		ug/kg	331	--	250
CI7-BZ#187	ND		ug/kg	331	--	250
CI6-BZ#128	ND		ug/kg	331	--	250
CI7-BZ#180	ND		ug/kg	331	--	250
CI7-BZ#170	ND		ug/kg	331	--	250
CI8-BZ#195	ND		ug/kg	331	--	250
CI9-BZ#206	ND		ug/kg	331	--	250
CI10-BZ#209	ND		ug/kg	331	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-05
 Client ID: S-11N-C004-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/01/11 20:44
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 11:38
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1400		ug/kg	331	--	250
CI4-BZ#52	5260		ug/kg	331	--	250
CI4-BZ#44	1820		ug/kg	331	--	250
CI4-BZ#66	1020		ug/kg	331	--	250
CI5-BZ#101	690		ug/kg	331	--	250
CI6-BZ#153	559		ug/kg	331	--	250
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-06
Client ID: S-11N-C005-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 21:28
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:51
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1470		ug/kg	677	--	500
CI3-BZ#18	4040		ug/kg	677	--	500
CI4-BZ#52	11900		ug/kg	677	--	500
CI5-BZ#118	1520		ug/kg	677	--	500
CI5-BZ#105	ND		ug/kg	677	--	500
CI6-BZ#138	1100		ug/kg	677	--	500
CI7-BZ#187	ND		ug/kg	677	--	500
CI6-BZ#128	ND		ug/kg	677	--	500
CI7-BZ#180	ND		ug/kg	677	--	500
CI7-BZ#170	ND		ug/kg	677	--	500
CI8-BZ#195	ND		ug/kg	677	--	500
CI9-BZ#206	ND		ug/kg	677	--	500
CI10-BZ#209	ND		ug/kg	677	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-06
Client ID: S-11N-C005-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 21:28
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:51
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3040		ug/kg	677	--	500
CI4-BZ#44	2580		ug/kg	677	--	500
CI4-BZ#66	2280		ug/kg	677	--	500
CI5-BZ#101	2140		ug/kg	677	--	500
CI6-BZ#153	2160		ug/kg	677	--	500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-07
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 11:36
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	26600		ug/kg	6800	--	5000
CI3-BZ#18	30400		ug/kg	6800	--	5000
CI4-BZ#52	63700		ug/kg	6800	--	5000
CI4-BZ#66	14600		ug/kg	6800	--	5000
CI5-BZ#118	ND		ug/kg	6800	--	5000
CI5-BZ#105	ND		ug/kg	6800	--	5000
CI6-BZ#138	ND		ug/kg	6800	--	5000
CI6-BZ#128	ND		ug/kg	6800	--	5000
CI7-BZ#180	ND		ug/kg	6800	--	5000
CI7-BZ#170	ND		ug/kg	6800	--	5000
CI8-BZ#195	ND		ug/kg	6800	--	5000
CI9-BZ#206	ND		ug/kg	6800	--	5000
CI10-BZ#209	ND		ug/kg	6800	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-07
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 11:36
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	22300		ug/kg	6800	--	5000
CI4-BZ#44	17800		ug/kg	6800	--	5000
CI5-BZ#101	9240		ug/kg	6800	--	5000
CI6-BZ#153	9180		ug/kg	6800	--	5000
CI7-BZ#187	ND		ug/kg	6800	--	5000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-08
Client ID: S-11N-C007-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 12:20
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 12:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2380		ug/kg	542	--	400
CI3-BZ#18	3200		ug/kg	542	--	400
CI4-BZ#52	7120		ug/kg	542	--	400
CI4-BZ#66	1560		ug/kg	542	--	400
CI5-BZ#118	564		ug/kg	542	--	400
CI5-BZ#105	ND		ug/kg	542	--	400
CI6-BZ#138	589		ug/kg	542	--	400
CI7-BZ#187	ND		ug/kg	542	--	400
CI6-BZ#128	ND		ug/kg	542	--	400
CI7-BZ#180	ND		ug/kg	542	--	400
CI7-BZ#170	ND		ug/kg	542	--	400
CI8-BZ#195	ND		ug/kg	542	--	400
CI9-BZ#206	ND		ug/kg	542	--	400
CI10-BZ#209	ND		ug/kg	542	--	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-08
 Client ID: S-11N-C007-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 12:20
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 12:16
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3410		ug/kg	542	--	400
CI4-BZ#44	1710		ug/kg	542	--	400
CI5-BZ#101	937		ug/kg	542	--	400
CI6-BZ#153	860		ug/kg	542	--	400

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-09
Client ID: S-11N-C008-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 13:04
Analyst: AW
Percent Solids: 95%

Date Collected: 11/15/11 12:34
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2260		ug/kg	694	--	500
CI3-BZ#18	3610		ug/kg	694	--	500
CI4-BZ#52	9390		ug/kg	694	--	500
CI4-BZ#66	2480		ug/kg	694	--	500
CI5-BZ#118	1100		ug/kg	694	--	500
CI5-BZ#105	ND		ug/kg	694	--	500
CI6-BZ#138	ND		ug/kg	694	--	500
CI7-BZ#187	ND		ug/kg	694	--	500
CI6-BZ#128	ND		ug/kg	694	--	500
CI7-BZ#180	ND		ug/kg	694	--	500
CI7-BZ#170	ND		ug/kg	694	--	500
CI8-BZ#195	ND		ug/kg	694	--	500
CI9-BZ#206	ND		ug/kg	694	--	500
CI10-BZ#209	ND		ug/kg	694	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-09
 Client ID: S-11N-C008-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 13:04
 Analyst: AW
 Percent Solids: 95%

Date Collected: 11/15/11 12:34
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3200		ug/kg	694	--	500
CI4-BZ#44	2620		ug/kg	694	--	500
CI5-BZ#101	1730		ug/kg	694	--	500
CI6-BZ#153	1460		ug/kg	694	--	500

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-10
Client ID: S-11N-C009-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 16:01
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:55
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	9710		ug/kg	2700	--	2000
CI3-BZ#18	13300		ug/kg	2700	--	2000
CI4-BZ#52	28200		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	ND		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-10
 Client ID: S-11N-C009-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 16:01
 Analyst: AW
 Percent Solids: 97%

Date Collected: 11/15/11 12:55
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	12700		ug/kg	2700	--	2000
CI4-BZ#44	7060		ug/kg	2700	--	2000
CI4-BZ#66	6140		ug/kg	2700	--	2000
CI5-BZ#101	3920		ug/kg	2700	--	2000
CI5-BZ#118	ND		ug/kg	2700	--	2000
CI6-BZ#153	3760		ug/kg	2700	--	2000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-11
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 14:32
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	17300		ug/kg	3350	--	2500
CI3-BZ#18	23800		ug/kg	3350	--	2500
CI4-BZ#52	51100		ug/kg	3350	--	2500
CI5-BZ#118	ND		ug/kg	3350	--	2500
CI5-BZ#105	ND		ug/kg	3350	--	2500
CI6-BZ#138	3750		ug/kg	3350	--	2500
CI7-BZ#187	ND		ug/kg	3350	--	2500
CI6-BZ#128	ND		ug/kg	3350	--	2500
CI7-BZ#180	ND		ug/kg	3350	--	2500
CI7-BZ#170	ND		ug/kg	3350	--	2500
CI8-BZ#195	ND		ug/kg	3350	--	2500
CI9-BZ#206	ND		ug/kg	3350	--	2500
CI10-BZ#209	ND		ug/kg	3350	--	2500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-11
 Client ID: S-11N-C010-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 14:32
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 13:12
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 15:08
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	23400		ug/kg	3350	--	2500
CI4-BZ#44	12200		ug/kg	3350	--	2500
CI4-BZ#66	10300		ug/kg	3350	--	2500
CI5-BZ#101	6350		ug/kg	3350	--	2500
CI6-BZ#153	6480		ug/kg	3350	--	2500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-12
Client ID: S-11N-C010-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 02:37
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/29/11 11:42
Cleanup Method1: EPA 3630
Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	881		ug/kg	132	--	100
CI3-BZ#18	1440		ug/kg	132	--	100
CI4-BZ#52	2560		ug/kg	132	--	100
CI5-BZ#105	ND		ug/kg	132	--	100
CI6-BZ#138	182		ug/kg	132	--	100
CI7-BZ#187	ND		ug/kg	132	--	100
CI6-BZ#128	ND		ug/kg	132	--	100
CI7-BZ#180	ND		ug/kg	132	--	100
CI7-BZ#170	ND		ug/kg	132	--	100
CI8-BZ#195	ND		ug/kg	132	--	100
CI9-BZ#206	ND		ug/kg	132	--	100
CI10-BZ#209	ND		ug/kg	132	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-12
 Client ID: S-11N-C010-0.5-1.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 02:37
 Analyst: AW
 Percent Solids: 99%

Date Collected: 11/15/11 13:12
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/29/11 11:42
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1510		ug/kg	132	--	100
CI4-BZ#44	585		ug/kg	132	--	100
CI4-BZ#66	410		ug/kg	132	--	100
CI5-BZ#101	270		ug/kg	132	--	100
CI5-BZ#118	ND		ug/kg	132	--	100
CI6-BZ#153	282		ug/kg	132	--	100

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-13
Client ID: S-11N-C011-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 03:21
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:35
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	208		ug/kg	66.4	--	50
CI3-BZ#18	397		ug/kg	66.4	--	50
CI4-BZ#52	814		ug/kg	66.4	--	50
CI5-BZ#105	ND		ug/kg	66.4	--	50
CI6-BZ#138	69.4		ug/kg	66.4	--	50
CI7-BZ#187	ND		ug/kg	66.4	--	50
CI6-BZ#128	ND		ug/kg	66.4	--	50
CI7-BZ#180	ND		ug/kg	66.4	--	50
CI7-BZ#170	ND		ug/kg	66.4	--	50
CI8-BZ#195	ND		ug/kg	66.4	--	50
CI9-BZ#206	ND		ug/kg	66.4	--	50
CI10-BZ#209	ND		ug/kg	66.4	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-13
Client ID: S-11N-C011-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 03:21
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:35
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	460		ug/kg	66.4	--	50
CI4-BZ#44	208		ug/kg	66.4	--	50
CI4-BZ#66	173		ug/kg	66.4	--	50
CI5-BZ#101	119		ug/kg	66.4	--	50
CI5-BZ#118	66.6		ug/kg	66.4	--	50
CI6-BZ#153	109		ug/kg	66.4	--	50
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-14
Client ID: S-11N-C012-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 04:05
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:52
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	154		ug/kg	26.9	--	20
CI3-BZ#18	234		ug/kg	26.9	--	20
CI4-BZ#52	388		ug/kg	26.9	--	20
CI5-BZ#118	30.6		ug/kg	26.9	--	20
CI5-BZ#105	ND		ug/kg	26.9	--	20
CI6-BZ#138	28.8		ug/kg	26.9	--	20
CI7-BZ#187	ND		ug/kg	26.9	--	20
CI6-BZ#128	ND		ug/kg	26.9	--	20
CI7-BZ#180	ND		ug/kg	26.9	--	20
CI7-BZ#170	ND		ug/kg	26.9	--	20
CI8-BZ#195	ND		ug/kg	26.9	--	20
CI9-BZ#206	ND		ug/kg	26.9	--	20
CI10-BZ#209	ND		ug/kg	26.9	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-14
 Client ID: S-11N-C012-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 04:05
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 13:52
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 15:08
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	270		ug/kg	26.9	--	20
CI4-BZ#44	104		ug/kg	26.9	--	20
CI4-BZ#66	77.6		ug/kg	26.9	--	20
CI5-BZ#101	51.2		ug/kg	26.9	--	20
CI6-BZ#153	49.7		ug/kg	26.9	--	20
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-15
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 15:16
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	6200		ug/kg	1320	--	1000
CI3-BZ#18	9740		ug/kg	1320	--	1000
CI4-BZ#52	13200		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-15
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 15:16
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	9180		ug/kg	1320	--	1000
CI4-BZ#44	2200		ug/kg	1320	--	1000
CI4-BZ#66	1750		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI6-BZ#153	1360		ug/kg	1320	--	1000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-16
Client ID: S-11N-C013-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 05:33
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1300		ug/kg	266	--	200
CI3-BZ#18	2560		ug/kg	266	--	200
CI4-BZ#52	3890		ug/kg	266	--	200
CI5-BZ#118	ND		ug/kg	266	--	200
CI5-BZ#105	ND		ug/kg	266	--	200
CI6-BZ#138	ND		ug/kg	266	--	200
CI7-BZ#187	ND		ug/kg	266	--	200
CI6-BZ#128	ND		ug/kg	266	--	200
CI7-BZ#180	ND		ug/kg	266	--	200
CI7-BZ#170	ND		ug/kg	266	--	200
CI8-BZ#195	ND		ug/kg	266	--	200
CI9-BZ#206	ND		ug/kg	266	--	200
CI10-BZ#209	ND		ug/kg	266	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-16
Client ID: S-11N-C013-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 05:33
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	2520		ug/kg	266	--	200
CI4-BZ#44	426		ug/kg	266	--	200
CI4-BZ#66	345		ug/kg	266	--	200
CI5-BZ#101	324		ug/kg	266	--	200
CI6-BZ#153	397		ug/kg	266	--	200
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-17
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 10:52
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	3130		ug/kg	669	--	500
CI3-BZ#18	4800		ug/kg	669	--	500
CI4-BZ#52	8390		ug/kg	669	--	500
CI5-BZ#118	706		ug/kg	669	--	500
CI5-BZ#105	ND		ug/kg	669	--	500
CI6-BZ#138	686		ug/kg	669	--	500
CI7-BZ#187	ND		ug/kg	669	--	500
CI6-BZ#128	ND		ug/kg	669	--	500
CI7-BZ#180	ND		ug/kg	669	--	500
CI7-BZ#170	ND		ug/kg	669	--	500
CI8-BZ#195	ND		ug/kg	669	--	500
CI9-BZ#206	ND		ug/kg	669	--	500
CI10-BZ#209	ND		ug/kg	669	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-17
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 10:52
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	5650		ug/kg	669	--	500
CI4-BZ#44	2370		ug/kg	669	--	500
CI4-BZ#66	1840		ug/kg	669	--	500
CI5-BZ#101	1210		ug/kg	669	--	500
CI6-BZ#153	1140		ug/kg	669	--	500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-18
Client ID: S-11N-C014-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 07:02
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	122		ug/kg	33.0	--	25
CI3-BZ#18	178		ug/kg	33.0	--	25
CI4-BZ#52	321		ug/kg	33.0	--	25
CI5-BZ#118	ND		ug/kg	33.0	--	25
CI5-BZ#105	ND		ug/kg	33.0	--	25
CI6-BZ#138	ND		ug/kg	33.0	--	25
CI7-BZ#187	ND		ug/kg	33.0	--	25
CI6-BZ#128	ND		ug/kg	33.0	--	25
CI7-BZ#180	ND		ug/kg	33.0	--	25
CI7-BZ#170	ND		ug/kg	33.0	--	25
CI8-BZ#195	ND		ug/kg	33.0	--	25
CI9-BZ#206	ND		ug/kg	33.0	--	25
CI10-BZ#209	ND		ug/kg	33.0	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-18
 Client ID: S-11N-C014-0.5-1.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 07:02
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 14:27
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 15:09
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	198		ug/kg	33.0	--	25
CI4-BZ#44	93.3		ug/kg	33.0	--	25
CI4-BZ#66	73.9		ug/kg	33.0	--	25
CI5-BZ#101	49.8		ug/kg	33.0	--	25
CI6-BZ#153	49.6		ug/kg	33.0	--	25
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 11/30/11 16:29
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG504703-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 11/30/11 16:29
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG504703-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/01/11 15:35
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/29/11 11:42
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 12 Batch: WG504994-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	80		30-150
BZ 198	81		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/01/11 15:35
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/29/11 11:42
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 12 Batch: WG504994-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	80		30-150
BZ 198	81		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3								
CI2-BZ#8	82		82		40-140	0		30
CI3-BZ#18	85		84		40-140	1		30
CI3-BZ#28	86		86		40-140	0		30
CI4-BZ#52	83		86		40-140	4		30
CI4-BZ#44	85		86		40-140	1		30
CI4-BZ#66	86		89		40-140	3		30
CI5-BZ#101	85		87		40-140	2		30
CI5-BZ#118	86		91		40-140	6		30
CI5-BZ#105	81		85		40-140	5		30
CI6-BZ#138	86		89		40-140	3		30
CI7-BZ#187	84		88		40-140	5		30
CI6-BZ#128	84		88		40-140	5		30
CI7-BZ#180	90		94		40-140	4		30
CI7-BZ#170	83		88		40-140	6		30
CI8-BZ#195	78		82		40-140	5		30
CI9-BZ#206	85		89		40-140	5		30
CI10-BZ#209	77		81		40-140	5		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3								

DBOB	83	83	30-150
BZ 198	81	87	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3

Cl6-BZ#153	84	88	40-140	5	30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	83		83		30-150
BZ 198	81		87		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3								
CI2-BZ#8	82		88		40-140	7		30
CI3-BZ#18	128		102		40-140	23		30
CI3-BZ#28	129		96		40-140	29		30
CI4-BZ#52	194	Q	140		40-140	32	Q	30
CI4-BZ#44	103		103		40-140	0		30
CI4-BZ#66	120		108		40-140	11		30
CI5-BZ#101	108		104		40-140	4		30
CI5-BZ#118	95		100		40-140	5		30
CI5-BZ#105	83		91		40-140	9		30
CI6-BZ#138	90		94		40-140	4		30
CI7-BZ#187	84		89		40-140	6		30
CI6-BZ#128	83		90		40-140	8		30
CI7-BZ#180	81		89		40-140	9		30
CI7-BZ#170	81		88		40-140	8		30
CI8-BZ#195	74		81		40-140	9		30
CI9-BZ#206	81		89		40-140	9		30
CI10-BZ#209	74		81		40-140	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	77		82		30-150
BZ 198	78		82		30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3					
Cl6-BZ#153	90	92	40-140	2	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	77		82		30-150
BZ 198	78		82		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-01

Client ID: S-11N-C001-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 10:32

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	55.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-02

Date Collected: 11/15/11 10:56

Client ID: S-11N-C002-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	44.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-03**Client ID:** S-11N-C002-0.5-1.0**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/15/11 10:56**Date Received:** 11/17/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.5		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	52.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-04

Client ID: S-11N-C003-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 11:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.0		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	48.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-05

Client ID: S-11N-C004-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 11:38

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	56.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-06**Date Collected:** 11/15/11 11:51**Client ID:** S-11N-C005-0-0.5**Date Received:** 11/17/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	45.0		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-07

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.1		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	39.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-08

Client ID: S-11N-C007-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 12:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-09

Date Collected: 11/15/11 12:34

Client ID: S-11N-C008-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	95.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	37.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-10

Client ID: S-11N-C009-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 12:55

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	38.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-11
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	32.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-12**Date Collected:** 11/15/11 13:12**Client ID:** S-11N-C010-0.5-1.0**Date Received:** 11/17/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.7		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	47.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-13
 Client ID: S-11N-C011-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment

Date Collected: 11/15/11 13:35
 Date Received: 11/17/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	47.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-14
Client ID: S-11N-C012-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 11/15/11 13:52
Date Received: 11/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-15

Client ID: S-11N-C013-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 14:12

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-16**Date Collected:** 11/15/11 14:12**Client ID:** S-11N-C013-0.5-1.0**Date Received:** 11/17/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	45.2		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-17
 Client ID: S-11N-C014-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment

Date Collected: 11/15/11 14:27
 Date Received: 11/17/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.7		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-18**Date Collected:** 11/15/11 14:27**Client ID:** S-11N-C014-0.5-1.0**Date Received:** 11/17/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Lab Duplicate Analysis
Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG503651-1 QC Sample: L1119291-07 Client ID: S-11N-C006-0-0.5						
Solids, Total	97.1	97.7	%	1		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119291-01A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-02A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-03A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-04A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-05A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-06A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-07A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-07B	Glass 500ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-08A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-09A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-10A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-11A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-12A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-13A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-14A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-15A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-16A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-17A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-18A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)

Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: **WOODS HOLE GROUP, INC**
Address: **81 TECHNOLOGY PARK DR
E. FALMOUTH, MA 02536**
Phone: **508-540-8080**
Fax: **508-540-1001**
Email: **DWALSH@WHOOP.COM**

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: **NEWBEDFORD 0U1**
Project Location: **NEWBEDFORD, MA**
Project #: **TO-0010-04**
Project Manager: **DAVE WALSH**
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Other Project Specific Requirements/Comments/Detection Limits:

Project specific EDD & DATA REPORT

PLEASE NOTE • PLEASE HOMOGENIZE SAMPLE BEFORE
MS/MSD (at unit cost) will be omitted unless you check here: ☐ ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (NCAA 18) PCB Handlogs										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time													Filtration		
01	S-11N-C001-0-0.5	11/15/11	10:32	SED	DRW	X											NL43	1
02	S-11N-C002-0-0.5		10:56			X	X										NE39	1
03	S-11N-C002-0.5-1.0		10:56			X											NE39	1
04	S-11N-C003-0-0.5		11:16			X	X										NC28	1
05	S-11N-C004-0-0.5		11:38			X											NG31	1
06	S-11N-C005-0-0.5		11:51			X											NK32	1
07	S-11N-C006-0-0.5		12:05			X	X										NM34	1
-0708	S-11N-C006-0-0.5 MSMSD		12:05			X	X										NM34, MSMSD	1
-0809	S-11N-C007-0-0.5		12:16			X	X										NH35	1
-0910	S-11N-C008-0-0.5		12:34			X											NE33	1

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
Delivery Order 0010-04
- March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEW BEDFORD OUL

Project Location: NEW BEDFORD, MA

Project #: 70-0010-04

Project Manager: DAVE WALSH

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: _____ Time: _____

Client Information

Client: WOODS HOLE GROUP, INC.

Address: BI TECHNOLOGY PARK DR.
E. FALMOUTH, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

- Project specific EDD & Data Report

PLEASE NOTE *• Please Homogenize sample Before analysis*
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program	Criteria
---------------------	----------

ALPHA Job #:

ALPHA Job #: L111929

Billing Information

☐ Same as Client info PO #:

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
 Preservation _____
☐ Lab to do
 (Please specify below)

Sample Specific Comments

THE
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[illegible]

Container Type	A	A
Preservative	A	A

Relinquished By:

Date/Time

Received By:

Date/Time



ANALYTICAL REPORT

Lab Number:	L1119294
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	12/20/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119294-01	S-11N-C002-0-0.5	NEW BEDFORD, MA	11/15/11 10:56
L1119294-02	S-11N-C003-0-0.5	NEW BEDFORD, MA	11/15/11 11:16
L1119294-03	S-11N-C006-0-0.5	NEW BEDFORD, MA	11/15/11 12:05
L1119294-04	S-11N-C007-0-0.5	NEW BEDFORD, MA	11/15/11 12:16
L1119294-05	S-11N-C010-0-0.5	NEW BEDFORD, MA	11/15/11 13:12
L1119294-06	S-11N-C013-0-0.5	NEW BEDFORD, MA	11/15/11 14:12
L1119294-07	S-11N-C014-0-0.5	NEW BEDFORD, MA	11/15/11 14:27
L1119294-08	S-11N-C015-0-0.5	NEW BEDFORD, MA	11/17/11 15:06
L1119294-09	S-11N-C016-0-0.5	NEW BEDFORD, MA	11/17/11 13:56
L1119294-10	S-11N-C016-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:56
L1119294-11	S-11N-C020-0-0.5	NEW BEDFORD, MA	11/17/11 10:19
L1119294-12	S-11N-C022-0-0.5	NEW BEDFORD, MA	11/17/11 10:48
L1119294-13	S-11N-C023-0-0.5	NEW BEDFORD, MA	11/17/11 11:06
L1119294-14	S-11N-C030-0-0.5	NEW BEDFORD, MA	11/17/11 13:35
L1119294-15	S-11N-C036-0.2-0.7	NEW BEDFORD, MA	11/22/11 09:19
L1119294-16	S-11N-C036-0.2-0.7-REP	NEW BEDFORD, MA	11/22/11 09:19

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 17 and 23, 2011 and initial percent solids were performed. The samples were placed in frozen storage after air-drying. Samples were removed from frozen storage on December 12, 2011 when they were removed to extract samples for PCB Homolog analysis and analyze for air-dried percent solids.

PCB Homolog

L1119294-01 was analyzed at a dilution due to the sample matrix.

L1119294-02 through -09 and -11 through 16 as well as the associated QC samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Case Narrative (continued)

The surrogate recoveries for L1119294-03, -05, -08, -09, -13, -14, -15, -16 are below the acceptance criteria for Cl3-BZ#19-C13 (0%) and Cl8-BZ#202-C13 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG507407-1 Method Blank, associated with L1119294-01 through -09 and -11 through -16, has a concentration above the reporting limit for Dichlorobiphenyls, Trichlorobiphenyls and Tetrachlorobiphenyls. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 5x the blank concentration for this analyte. It should be noted that no "B" flags were applied.

The WG507407-4/-5 MS/MSD recoveries, performed on L1119294-03, were outside the acceptance criteria for several compounds due to the high concentrations detected in the native sample. The associated LCS/LCSD recoveries were within criteria. The WG507407 MS/MSD RPDs, performed on L1119294-03, are above the acceptance criteria for Cl5-BZ#126 (35%) and Cl9-BZ#206 (35%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cynthia McQueen

Title: Technical Director/Representative

Date: 12/20/11

ORGANICS

SEMIVOLATILES

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-01
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 10:18
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	ND		ug/kg	1.69	--	10
Dichlorobiphenyls	200		ug/kg	1.69	--	10
Trichlorobiphenyls	724		ug/kg	1.69	--	10
Tetrachlorobiphenyls	1130		ug/kg	1.69	--	10
Pentachlorobiphenyls	615		ug/kg	1.69	--	10
Hexachlorobiphenyls	241		ug/kg	1.69	--	10
Heptachlorobiphenyls	59.6		ug/kg	1.69	--	10
Octachlorobiphenyls	7.56		ug/kg	1.69	--	10
Nonachlorobiphenyls	ND		ug/kg	1.69	--	10
Decachlorobiphenyl	ND		ug/kg	1.69	--	10
Total Homologs	2980		ug/kg	1.69	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	90		50-125
Cl8-BZ#202-C13	99		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-02
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 13:56
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	142		ug/kg	6.67	--	40
Dichlorobiphenyls	1640		ug/kg	6.67	--	40
Trichlorobiphenyls	5740		ug/kg	6.67	--	40
Tetrachlorobiphenyls	9400		ug/kg	6.67	--	40
Pentachlorobiphenyls	4480		ug/kg	6.67	--	40
Hexachlorobiphenyls	1750		ug/kg	6.67	--	40
Heptachlorobiphenyls	265		ug/kg	6.67	--	40
Octachlorobiphenyls	87.4		ug/kg	6.67	--	40
Nonachlorobiphenyls	79.4		ug/kg	6.67	--	40
Decachlorobiphenyl	ND		ug/kg	6.67	--	40
Total Homologs	23600		ug/kg	6.67	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	72		50-125
Cl8-BZ#202-C13	76		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 14:52
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Cl1-BZ#1	187		ug/kg	168	--	1000
CL1-BZ#3	ND		ug/kg	168	--	1000
Cl2-BZ#4/#10	6040		ug/kg	336	--	1000
Cl2-BZ#7	867		ug/kg	168	--	1000
Cl2-BZ#6	17900		ug/kg	168	--	1000
Cl2-BZ#5/#8	13800		ug/kg	336	--	1000
Cl3-BZ#19	4040		ug/kg	168	--	1000
CL2-BZ#12/#13	5460		ug/kg	336	--	1000
Cl3-BZ#18	29600		ug/kg	168	--	1000
Cl3-BZ#17	12200		ug/kg	168	--	1000
CL3-BZ#16/#32	18800		ug/kg	336	--	1000
CL3-BZ#24/#27	5470		ug/kg	336	--	1000
Cl2-BZ#15	3780		ug/kg	168	--	1000
Cl4-BZ#54	231		ug/kg	168	--	1000
Cl3-BZ#29	ND		ug/kg	168	--	1000
Cl4-BZ#50	ND		ug/kg	168	--	1000
Cl3-BZ#26	50100		ug/kg	168	--	1000
Cl3-BZ#25	23600		ug/kg	168	--	1000
Cl3-BZ#28/#31	50400		ug/kg	336	--	1000
Cl4-BZ#53	12100		ug/kg	168	--	1000
Cl4-BZ#51	5280		ug/kg	168	--	1000
Cl3-Bz#21/#33	1390		ug/kg	336	--	1000
Cl4-BZ#45	1280		ug/kg	168	--	1000
Cl4-Bz#46	4330		ug/kg	168	--	1000
Cl3-BZ#22	2480		ug/kg	168	--	1000
Cl4-BZ#52	67100		ug/kg	168	--	1000
Cl4-BZ#43/#49	57400		ug/kg	336	--	1000
Cl4-Bz#47/#48	15200		ug/kg	336	--	1000
Cl5-BZ#104	ND		ug/kg	168	--	1000
Cl4-BZ#44	13400		ug/kg	168	--	1000
Cl4-BZ#42	4330		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Cl4-BZ#40	1240		ug/kg	168	--	1000
Cl3-BZ#37	495		ug/kg	168	--	1000
Cl4-Bz#41/#71	7800		ug/kg	336	--	1000
Cl4-Bz#64	14200		ug/kg	168	--	1000
Cl5-BZ#100	1140		ug/kg	168	--	1000
Cl4-BZ#76	ND		ug/kg	168	--	1000
Cl4-BZ#63	242		ug/kg	168	--	1000
Cl4-BZ#74	1430		ug/kg	168	--	1000
Cl6-BZ#155	ND		ug/kg	168	--	1000
Cl4-BZ#70	922		ug/kg	168	--	1000
Cl5-BZ#91	9040		ug/kg	168	--	1000
Cl4-BZ#66	1960		ug/kg	168	--	1000
Cl5-BZ#95	13500		ug/kg	168	--	1000
Cl4-BZ#56/#60	406		ug/kg	336	--	1000
Cl5-BZ#92	3080		ug/kg	168	--	1000
Cl5-BZ#101/#84	11900		ug/kg	336	--	1000
Cl5-BZ#89	ND		ug/kg	168	--	1000
Cl5-BZ#99	10700		ug/kg	168	--	1000
Cl5-BZ#119	3260		ug/kg	168	--	1000
Cl5-BZ#83	615		ug/kg	168	--	1000
Cl5-BZ#97	2220		ug/kg	168	--	1000
Cl6-BZ#154	1240		ug/kg	168	--	1000
Cl6-BZ#136	2090		ug/kg	168	--	1000
Cl5-BZ#85	ND		ug/kg	168	--	1000
Cl5-BZ#110	9830		ug/kg	168	--	1000
Cl4-BZ#81	ND		ug/kg	168	--	1000
Cl5-BZ#87	ND		ug/kg	168	--	1000
Cl6-BZ#151	1590		ug/kg	168	--	1000
Cl6-BZ#135/#144	1370		ug/kg	336	--	1000
Cl5-BZ#82	214		ug/kg	168	--	1000
Cl4-BZ#77	ND		ug/kg	168	--	1000
Cl5-BZ#124	ND		ug/kg	168	--	1000
Cl5-BZ#107	315		ug/kg	168	--	1000
Cl5-BZ#123	696		ug/kg	168	--	1000
Cl6-BZ#147	1060		ug/kg	168	--	1000
Cl6-BZ#149	12100		ug/kg	168	--	1000
Cl7-BZ#188	ND		ug/kg	168	--	1000
Cl6-BZ#134	934		ug/kg	168	--	1000
Cl5-BZ#118	3500		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
CI6-BZ#131	ND		ug/kg	168	--	1000
CI7-BZ#184	ND		ug/kg	168	--	1000
CI6-BZ#146	1260		ug/kg	168	--	1000
CI5-BZ#114	ND		ug/kg	168	--	1000
CI6-BZ#153	8090		ug/kg	168	--	1000
CI6-BZ#132/#168	ND		ug/kg	336	--	1000
CI6-BZ#141	ND		ug/kg	168	--	1000
CI7-BZ#176	ND		ug/kg	168	--	1000
CI6-BZ#129	ND		ug/kg	168	--	1000
CI6-BZ#130	ND		ug/kg	168	--	1000
CI6-BZ#138/#163	4010		ug/kg	336	--	1000
CI6-BZ#158	270		ug/kg	168	--	1000
CI5-BZ#105	ND		ug/kg	168	--	1000
CI6-BZ#137	ND		ug/kg	168	--	1000
CI7-BZ#178	311		ug/kg	168	--	1000
CI7-BZ#175	ND		ug/kg	168	--	1000
CI7-BZ#182/#187	1560		ug/kg	336	--	1000
CI7-BZ#183	287		ug/kg	168	--	1000
CI6-BZ#167/#128	616		ug/kg	336	--	1000
CI5-BZ#126	ND		ug/kg	168	--	1000
CI7-BZ#185	ND		ug/kg	168	--	1000
CI7-BZ#174	ND		ug/kg	168	--	1000
CI8-BZ#202	ND		ug/kg	168	--	1000
CI7-BZ#177	ND		ug/kg	168	--	1000
CI7-BZ#171	ND		ug/kg	168	--	1000
CI7-BZ#173	ND		ug/kg	168	--	1000
CI8-BZ#197	ND		ug/kg	168	--	1000
CI7-BZ#172	ND		ug/kg	168	--	1000
CI6-BZ#156	188		ug/kg	168	--	1000
CI8-BZ#200-CAL	ND		ug/kg	168	--	1000
CI6-BZ#157	ND		ug/kg	168	--	1000
CI7-BZ#180	630		ug/kg	168	--	1000
CI7-BZ#193	ND		ug/kg	168	--	1000
CI8-BZ#199	ND		ug/kg	168	--	1000
CI7-BZ#191	ND		ug/kg	168	--	1000
CI7-BZ#170/#190	400		ug/kg	336	--	1000
CI8-BZ#201	ND		ug/kg	168	--	1000
CI8-BZ#196/203	ND		ug/kg	336	--	1000
CI6-BZ#169	ND		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
CI9-BZ#208	ND		ug/kg	168	--	1000
CI9-BZ#207	ND		ug/kg	168	--	1000
CI7-BZ#189	ND		ug/kg	168	--	1000
CI8-BZ#195	ND		ug/kg	168	--	1000
CI8-BZ#194	229		ug/kg	168	--	1000
CI8-BZ#205	ND		ug/kg	168	--	1000
CI9-BZ#206	185		ug/kg	168	--	1000
CI10-BZ#209	ND		ug/kg	168	--	1000
Monochlorobiphenyls	449		ug/kg	168	--	1000
Dichlorobiphenyls	48900		ug/kg	168	--	1000
Trichlorobiphenyls	180000		ug/kg	168	--	1000
Tetrachlorobiphenyls	236000		ug/kg	168	--	1000
Pentachlorobiphenyls	97700		ug/kg	168	--	1000
Hexachlorobiphenyls	34100		ug/kg	168	--	1000
Heptachlorobiphenyls	3730		ug/kg	168	--	1000
Octachlorobiphenyls	1620		ug/kg	168	--	1000
Nonachlorobiphenyls	ND		ug/kg	168	--	1000
Decachlorobiphenyl	ND		ug/kg	168	--	1000
Total Homologs	602000		ug/kg	168	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
CI3-BZ#19-C13	0	Q	50-125
CI8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-04
Client ID: S-11N-C007-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 15:00
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 12:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	98.5		ug/kg	16.9	--	100
Dichlorobiphenyls	6100		ug/kg	16.9	--	100
Trichlorobiphenyls	23400		ug/kg	16.9	--	100
Tetrachlorobiphenyls	29500		ug/kg	16.9	--	100
Pentachlorobiphenyls	13800		ug/kg	16.9	--	100
Hexachlorobiphenyls	5010		ug/kg	16.9	--	100
Heptachlorobiphenyls	625		ug/kg	16.9	--	100
Octachlorobiphenyls	229		ug/kg	16.9	--	100
Nonachlorobiphenyls	215		ug/kg	16.9	--	100
Decachlorobiphenyl	ND		ug/kg	16.9	--	100
Total Homologs	79000		ug/kg	16.9	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	94		50-125
Cl8-BZ#202-C13	97		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-05
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 15:56
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	432		ug/kg	166	--	1000
Dichlorobiphenyls	50500		ug/kg	166	--	1000
Trichlorobiphenyls	183000		ug/kg	166	--	1000
Tetrachlorobiphenyls	235000		ug/kg	166	--	1000
Pentachlorobiphenyls	103000		ug/kg	166	--	1000
Hexachlorobiphenyls	37100		ug/kg	166	--	1000
Heptachlorobiphenyls	5040		ug/kg	166	--	1000
Octachlorobiphenyls	1840		ug/kg	166	--	1000
Nonachlorobiphenyls	1430		ug/kg	166	--	1000
Decachlorobiphenyl	ND		ug/kg	166	--	1000
Total Homologs	617000		ug/kg	166	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-06
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 16:52
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	257		ug/kg	84.8	--	500
Dichlorobiphenyls	21900		ug/kg	84.8	--	500
Trichlorobiphenyls	78300		ug/kg	84.8	--	500
Tetrachlorobiphenyls	67500		ug/kg	84.8	--	500
Pentachlorobiphenyls	18400		ug/kg	84.8	--	500
Hexachlorobiphenyls	7420		ug/kg	84.8	--	500
Heptachlorobiphenyls	1360		ug/kg	84.8	--	500
Octachlorobiphenyls	391		ug/kg	84.8	--	500
Nonachlorobiphenyls	ND		ug/kg	84.8	--	500
Decachlorobiphenyl	ND		ug/kg	84.8	--	500
Total Homologs	196000		ug/kg	84.8	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	103		50-125
Cl8-BZ#202-C13	110		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-07
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 17:48
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	97.2		ug/kg	16.9	--	100
Dichlorobiphenyls	8880		ug/kg	16.9	--	100
Trichlorobiphenyls	34600		ug/kg	16.9	--	100
Tetrachlorobiphenyls	36500		ug/kg	16.9	--	100
Pentachlorobiphenyls	16800		ug/kg	16.9	--	100
Hexachlorobiphenyls	5860		ug/kg	16.9	--	100
Heptachlorobiphenyls	731		ug/kg	16.9	--	100
Octachlorobiphenyls	229		ug/kg	16.9	--	100
Nonachlorobiphenyls	189		ug/kg	16.9	--	100
Decachlorobiphenyl	ND		ug/kg	16.9	--	100
Total Homologs	104000		ug/kg	16.9	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	92		50-125
Cl8-BZ#202-C13	99		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-08
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 18:45
Analyst: JS
Percent Solids: 97%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	17800		ug/kg	1670	--	10000
Dichlorobiphenyls	680000		ug/kg	1670	--	10000
Trichlorobiphenyls	1440000		ug/kg	1670	--	10000
Tetrachlorobiphenyls	1040000		ug/kg	1670	--	10000
Pentachlorobiphenyls	418000		ug/kg	1670	--	10000
Hexachlorobiphenyls	116000		ug/kg	1670	--	10000
Heptachlorobiphenyls	20000		ug/kg	1670	--	10000
Octachlorobiphenyls	1700		ug/kg	1670	--	10000
Nonachlorobiphenyls	ND		ug/kg	1670	--	10000
Decachlorobiphenyl	ND		ug/kg	1670	--	10000
Total Homologs	3730000		ug/kg	1670	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-09
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 00:19
Analyst: JS
Percent Solids: 97%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	2810		ug/kg	168	--	1000
Dichlorobiphenyls	167000		ug/kg	168	--	1000
Trichlorobiphenyls	432000		ug/kg	168	--	1000
Tetrachlorobiphenyls	369000		ug/kg	168	--	1000
Pentachlorobiphenyls	149000		ug/kg	168	--	1000
Hexachlorobiphenyls	44200		ug/kg	168	--	1000
Heptachlorobiphenyls	5490		ug/kg	168	--	1000
Octachlorobiphenyls	2000		ug/kg	168	--	1000
Nonachlorobiphenyls	271		ug/kg	168	--	1000
Decachlorobiphenyl	ND		ug/kg	168	--	1000
Total Homologs	1170000		ug/kg	168	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-11
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 01:15
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	292		ug/kg	16.6	--	100
Dichlorobiphenyls	13700		ug/kg	16.6	--	100
Trichlorobiphenyls	44300		ug/kg	16.6	--	100
Tetrachlorobiphenyls	41500		ug/kg	16.6	--	100
Pentachlorobiphenyls	16300		ug/kg	16.6	--	100
Hexachlorobiphenyls	6020		ug/kg	16.6	--	100
Heptachlorobiphenyls	834		ug/kg	16.6	--	100
Octachlorobiphenyls	286		ug/kg	16.6	--	100
Nonachlorobiphenyls	205		ug/kg	16.6	--	100
Decachlorobiphenyl	ND		ug/kg	16.6	--	100
Total Homologs	123000		ug/kg	16.6	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
CI3-BZ#19-C13	91		50-125
CI8-BZ#202-C13	88		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-12
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 11:07
Analyst: JS
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	146		ug/kg	16.8	--	100
Dichlorobiphenyls	8550		ug/kg	16.8	--	100
Trichlorobiphenyls	26600		ug/kg	16.8	--	100
Tetrachlorobiphenyls	26100		ug/kg	16.8	--	100
Pentachlorobiphenyls	9090		ug/kg	16.8	--	100
Hexachlorobiphenyls	3430		ug/kg	16.8	--	100
Heptachlorobiphenyls	480		ug/kg	16.8	--	100
Octachlorobiphenyls	173		ug/kg	16.8	--	100
Nonachlorobiphenyls	40.1		ug/kg	16.8	--	100
Decachlorobiphenyl	ND		ug/kg	16.8	--	100
Total Homologs	74600		ug/kg	16.8	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	87		50-125
Cl8-BZ#202-C13	88		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-13
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 12:03
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	569		ug/kg	166	--	1000
Dichlorobiphenyls	44500		ug/kg	166	--	1000
Trichlorobiphenyls	163000		ug/kg	166	--	1000
Tetrachlorobiphenyls	202000		ug/kg	166	--	1000
Pentachlorobiphenyls	89400		ug/kg	166	--	1000
Hexachlorobiphenyls	30700		ug/kg	166	--	1000
Heptachlorobiphenyls	3720		ug/kg	166	--	1000
Octachlorobiphenyls	1840		ug/kg	166	--	1000
Nonachlorobiphenyls	225		ug/kg	166	--	1000
Decachlorobiphenyl	ND		ug/kg	166	--	1000
Total Homologs	536000		ug/kg	166	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-14
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 04:04
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	5310		ug/kg	337	--	2000
Dichlorobiphenyls	277000		ug/kg	337	--	2000
Trichlorobiphenyls	693000		ug/kg	337	--	2000
Tetrachlorobiphenyls	581000		ug/kg	337	--	2000
Pentachlorobiphenyls	262000		ug/kg	337	--	2000
Hexachlorobiphenyls	77000		ug/kg	337	--	2000
Heptachlorobiphenyls	10300		ug/kg	337	--	2000
Octachlorobiphenyls	4070		ug/kg	337	--	2000
Nonachlorobiphenyls	393		ug/kg	337	--	2000
Decachlorobiphenyl	ND		ug/kg	337	--	2000
Total Homologs	1910000		ug/kg	337	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-15
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 12:59
Analyst: JS
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	13900		ug/kg	336	--	2000
Dichlorobiphenyls	517000		ug/kg	336	--	2000
Trichlorobiphenyls	1040000		ug/kg	336	--	2000
Tetrachlorobiphenyls	664000		ug/kg	336	--	2000
Pentachlorobiphenyls	202000		ug/kg	336	--	2000
Hexachlorobiphenyls	54100		ug/kg	336	--	2000
Heptachlorobiphenyls	7940		ug/kg	336	--	2000
Octachlorobiphenyls	3220		ug/kg	336	--	2000
Nonachlorobiphenyls	ND		ug/kg	336	--	2000
Decachlorobiphenyl	ND		ug/kg	336	--	2000
Total Homologs	2500000		ug/kg	336	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-16
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 07:50
Analyst: JS
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	5340		ug/kg	332	--	2000
Dichlorobiphenyls	212000		ug/kg	332	--	2000
Trichlorobiphenyls	479000		ug/kg	332	--	2000
Tetrachlorobiphenyls	314000		ug/kg	332	--	2000
Pentachlorobiphenyls	87800		ug/kg	332	--	2000
Hexachlorobiphenyls	24800		ug/kg	332	--	2000
Heptachlorobiphenyls	3820		ug/kg	332	--	2000
Octachlorobiphenyls	2900		ug/kg	332	--	2000
Nonachlorobiphenyls	ND		ug/kg	332	--	2000
Decachlorobiphenyl	ND		ug/kg	332	--	2000
Total Homologs	1130000		ug/kg	332	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 105,680/8270C-SIM(M)

Extraction Method: EPA 3540C

Analytical Date: 12/16/11 21:30

Extraction Date: 12/12/11 08:51

Analyst: JS

Cleanup Method1: EPA 3630

Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Homologs by GC/MS-SIM - Mansfield Lab for sample(s): 01-09,11-16 Batch: WG507407-1					
Monochlorobiphenyls	ND		ug/kg	0.167	--
Dichlorobiphenyls	0.391		ug/kg	0.167	--
Trichlorobiphenyls	1.05		ug/kg	0.167	--
Tetrachlorobiphenyls	0.748		ug/kg	0.167	--
Pentachlorobiphenyls	ND		ug/kg	0.167	--
Hexachlorobiphenyls	ND		ug/kg	0.167	--
Heptachlorobiphenyls	ND		ug/kg	0.167	--
Octachlorobiphenyls	ND		ug/kg	0.167	--
Nonachlorobiphenyls	ND		ug/kg	0.167	--
Decachlorobiphenyl	ND		ug/kg	0.167	--
Total Homologs	2.19		ug/kg	0.167	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	96		50-125
Cl8-BZ#202-C13	103		50-125

Lab Control Sample Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
Cl1-BZ#1	101		101		40-140	0		30
CL1-BZ#3	105		106		40-140	1		30
Cl2-BZ#4/#10	113		115		40-140	2		30
Cl2-BZ#5/#8	98		100		40-140	2		30
Cl3-BZ#19	104		106		40-140	2		30
Cl3-BZ#18	92		96		40-140	4		30
Cl2-BZ#15	93		94		40-140	1		30
Cl4-BZ#54	103		104		40-140	1		30
Cl3-BZ#29	88		90		40-140	2		30
Cl4-BZ#50	105		109		40-140	4		30
Cl3-BZ#28/#31	96		99		40-140	3		30
Cl4-BZ#45	112		116		40-140	4		30
Cl4-BZ#52	97		102		40-140	5		30
Cl4-BZ#43/#49	106		110		40-140	4		30
Cl4-BZ#47/#48	98		102		40-140	4		30
Cl5-BZ#104	98		99		40-140	1		30
Cl4-BZ#44	97		100		40-140	3		30
Cl3-BZ#37	88		92		40-140	4		30
Cl4-BZ#74	101		107		40-140	6		30
Cl6-BZ#155	103		107		40-140	4		30
Cl4-BZ#70	99		104		40-140	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
Cl4-BZ#66	97		102		40-140	5		30
Cl5-BZ#95	94		98		40-140	4		30
Cl4-BZ#56/#60	94		98		40-140	4		30
Cl5-BZ#101/#84	111		116		40-140	4		30
Cl5-BZ#99	103		106		40-140	3		30
Cl6-BZ#154	94		99		40-140	5		30
Cl5-BZ#110	92		95		40-140	3		30
Cl4-BZ#81	101		107		40-140	6		30
Cl5-BZ#87	99		107		40-140	8		30
Cl6-BZ#151	93		99		40-140	6		30
Cl4-BZ#77	98		102		40-140	4		30
Cl5-BZ#123	100		105		40-140	5		30
Cl6-BZ#149	101		106		40-140	5		30
Cl7-BZ#188	88		92		40-140	4		30
Cl5-BZ#118	98		104		40-140	6		30
Cl6-BZ#146	88		94		40-140	7		30
Cl5-BZ#114	96		105		40-140	9		30
Cl6-BZ#153	88		96		40-140	9		30
Cl6-BZ#138/#163	82		90		40-140	9		30
Cl6-BZ#158	96		103		40-140	7		30
Cl5-BZ#105	89		94		40-140	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
CI7-BZ#182/#187	93		99		40-140	6		30
CI7-BZ#183	96		103		40-140	7		30
CI6-BZ#167/#128	95		101		40-140	6		30
CI5-BZ#126	74		80		40-140	8		30
CI7-BZ#174	100		106		40-140	6		30
CI8-BZ#202	102		105		40-140	3		30
CI7-BZ#177	91		97		40-140	6		30
CI6-BZ#156	91		98		40-140	7		30
CI6-BZ#157	84		90		40-140	7		30
CI7-BZ#180	95		97		40-140	2		30
CI7-BZ#170/#190	76		81		40-140	6		30
CI8-BZ#201	88		94		40-140	7		30
CI6-BZ#169	90		96		40-140	6		30
CI9-BZ#208	94		99		40-140	5		30
CI7-BZ#189	93		100		40-140	7		30
CI8-BZ#195	90		95		40-140	5		30
CI8-BZ#194	91		97		40-140	6		30
CI8-BZ#205	97		102		40-140	5		30
CI9-BZ#206	88		92		40-140	4		30
CI10-BZ#209	88		91		40-140	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Cl3-BZ#19-C13	86		91		50-125
Cl8-BZ#202-C13	93		96		50-125

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03

Client ID: S-11N-C006-0-0.5

Cl1-BZ#1	187	330	437	76		418	75		40-140	4		30
CL1-BZ#3	ND	330	340	103		323	105		40-140	5		30
Cl2-BZ#4/#10	6040	330	6400	109		6360	104		40-140	1		30
Cl2-BZ#5/#8	13800	330	14300	152	Q	14100	98		40-140	1		30
Cl3-BZ#19	4040	330	4420	115		4220	59		40-140	5		30
Cl3-BZ#18	29600	330	30300	212	Q	29200	0	Q	40-140	4		30
Cl2-BZ#15	3780	330	4080	91		4020	78		40-140	1		30
Cl4-BZ#54	231	330	527	90		443	69		40-140	17		30
Cl3-BZ#29	ND	330	405	123		363	118		40-140	11		30
Cl4-BZ#50	ND	330	448	136		436	142	Q	40-140	3		30
Cl3-BZ#28/#31	50400	659	52100	258	Q	50500	16	Q	40-140	3		30
Cl4-BZ#45	1280	330	1590	94		1510	75		40-140	5		30
Cl4-BZ#52	67100	330	67400	91		63400	0	Q	40-140	6		30
Cl4-BZ#43/#49	57400	330	57500	30	Q	54000	0	Q	40-140	6		30
Cl4-BZ#47/#48	15200	330	15400	61		14500	0	Q	40-140	6		30
Cl5-BZ#104	ND	330	317	96		256	84		40-140	21		30
Cl4-BZ#44	13400	330	13900	152	Q	13100	0	Q	40-140	6		30
Cl3-BZ#37	495	330	761	81		686	62		40-140	10		30
Cl4-BZ#74	1430	330	1710	85		1630	65		40-140	5		30
Cl6-BZ#155	ND	330	322	98		271	88		40-140	17		30
Cl4-BZ#70	922	330	1200	84		1120	65		40-140	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
 Client ID: S-11N-C006-0-0.5

CI4-BZ#66	1960	330	2310	106		2170	69		40-140	6		30
CI5-BZ#95	13500	330	13600	30	Q	12700	0	Q	40-140	7		30
CI4-BZ#56/#60	406	330	710	92		635	75		40-140	11		30
CI5-BZ#101/#84	11900	330	12400	152	Q	11500	0	Q	40-140	8		30
CI5-BZ#99	10700	330	11100	121		10200	0	Q	40-140	8		30
CI6-BZ#154	1240	330	1400	49		1350	36	Q	40-140	4		30
CI5-BZ#110	9830	330	9980	46		9300	0	Q	40-140	7		30
CI4-BZ#81	ND	330	292	89		279	91		40-140	5		30
CI5-BZ#87	ND	330	1190	361	Q	983	320	Q	40-140	19		30
CI6-BZ#151	1590	330	1850	79		1700	36	Q	40-140	8		30
CI4-BZ#77	ND	330	ND	0	Q	ND	0	Q	40-140	NC		30
CI5-BZ#123	696	330	1010	95		931	77		40-140	8		30
CI6-BZ#149	12100	330	12200	30	Q	11300	0	Q	40-140	8		30
CI7-BZ#188	ND	330	288	87		255	83		40-140	12		30
CI5-BZ#118	3500	330	3820	97		3480	0	Q	40-140	9		30
CI6-BZ#146	1260	330	1500	73		1340	26	Q	40-140	11		30
CI5-BZ#114	ND	330	318	97		261	85		40-140	20		30
CI6-BZ#153	8090	330	8010	0	Q	7440	0	Q	40-140	7		30
CI6-BZ#138/#163	4010	330	4110	30	Q	3860	0	Q	40-140	6		30
CI6-BZ#158	270	330	538	81		470	65		40-140	13		30
CI5-BZ#105	ND	330	412	125		364	119		40-140	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
 Client ID: S-11N-C006-0-0.5

Cl7-BZ#182/#187	1560	330	1820	79		1660	33	Q	40-140	9		30
Cl7-BZ#183	287	330	555	81		524	77		40-140	6		30
Cl6-BZ#167/#128	616	659	1240	95		1040	69		40-140	18		30
Cl5-BZ#126	ND	330	369	112		528	172	Q	40-140	35	Q	30
Cl7-BZ#174	ND	330	510	155	Q	395	129		40-140	25		30
Cl8-BZ#202	ND	330	361	110		325	106		40-140	10		30
Cl7-BZ#177	ND	330	402	122		354	115		40-140	13		30
Cl6-BZ#156	188	330	409	67		389	66		40-140	5		30
Cl6-BZ#157	ND	330	276	84		264	86		40-140	4		30
Cl7-BZ#180	630	330	889	79		793	53		40-140	11		30
Cl7-BZ#170/#190	400	330	615	65		559	52		40-140	10		30
Cl8-BZ#201	ND	330	420	127		361	118		40-140	15		30
Cl6-BZ#169	ND	330	306	93		226	74		40-140	30		30
Cl9-BZ#208	ND	330	428	130		379	124		40-140	12		30
Cl7-BZ#189	ND	330	340	103		305	99		40-140	11		30
Cl8-BZ#195	ND	330	336	102		301	98		40-140	11		30
Cl8-BZ#194	229	330	538	94		485	84		40-140	10		30
Cl8-BZ#205	ND	330	340	103		267	87		40-140	24		30
Cl9-BZ#206	185	330	504	97		354	55		40-140	35	Q	30
Cl10-BZ#209	ND	330	415	126		324	106		40-140	25		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
 Client ID: S-11N-C006-0-0.5

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
Cl3-BZ#19-C13	0	Q	0	Q	50-125
Cl8-BZ#202-C13	0	Q	0	Q	50-125

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-01
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	44.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119294**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-02
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	48.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-03

Client ID: S-11N-C006-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 12:05

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	39.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-04

Client ID: S-11N-C007-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 12:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.3		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-05
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.3		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	32.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-06

Client ID: S-11N-C013-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 14:12

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-07

Client ID: S-11N-C014-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 14:27

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.7		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-08

Date Collected: 11/17/11 15:06

Client ID: S-11N-C015-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.8		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-09
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.1		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	29.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-11
 Client ID: S-11N-C020-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/17/11 10:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	36.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-12

Client ID: S-11N-C022-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/17/11 10:48

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.6		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.1		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-13
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-14
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119294-15**Date Collected:** 11/22/11 09:19**Client ID:** S-11N-C036-0.2-0.7**Date Received:** 11/23/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-16
 Client ID: S-11N-C036-0.2-0.7-REP
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/22/11 09:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	37.4		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1119294
Report Date: 12/20/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507779-1 QC Sample: L1119294-16 Client ID: S-11N-C036-0.2-0.7-REP						
Solids, Total	98.1	98.4	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A	Absent
B1	Absent
A1	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119294-01A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-02A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-03A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-03B	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-04A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-05A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-06A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-07A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-08A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-09A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-10A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	-
L1119294-11A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-12A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-13A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-14A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-14B	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-15A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-16A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)

Container Comments

L1119294-03A	KEPT IN THE BOX
L1119294-03B	KEPT IN THE BOX
L1119294-08A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1119294-09A

L1119294-10A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-11A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-12A

L1119294-13A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-14A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11, KEPT WITH THE BOX

L1119294-14B SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11, KEPT WITH THE BOX

L1119294-15A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-16A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 105 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997 in conjunction with Determination of Pesticides and PCBs in Water and Oil/Sediment by GC/MS: Method 680. EPA 01A0005295, November 1985.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEWBEDFORD OVI

Project Location: NEWBEDFORD, MA

Project #: TO-0010-04

Project Manager: DAVE WALSH

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab:

ALPHA Job #: L1119294

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

Client Information

Client: WOODS HOLE GROUP, INC

Address: 81 TECHNOLOGY PARK DR
E. FALMOUTH, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHORP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project specific EDD & DATA REPORT

PLEASE NOTE • PLEASE HOMOGENIZE SAMPLE BEFORE
MS/MSD (at unit cost) will be omitted unless you check here: ☐ ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (Nona 18) PCB Handtags										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time													Filtration		
	S-11N-C001-0-0.5	11/15/11	10:32	SED	DEW	X											NL43	1
19294-01	S-11N-C002-0-0.5		10:56			X	X										NE39	1
	S-11N-C002-0.5-1.0		10:56			X											NE39	1
-02	S-11N-C003-0-0.5		11:16			X	X										NC28	1
	S-11N-C004-0-0.5		11:38			X											NG31	1
	S-11N-C005-0-0.5		11:51			X											NK32	1
03	S-11N-C006-0-0.5		12:05			X	X										NM34	1
03	S-11N-C006-0-0.5 MSMSD		12:05			X	X										NM34, MSMSD	1
04	S-11N-C007-0-0.5		12:16			X	X										NH35	1
	S-11N-C008-0-0.5		12:34			X											NE33	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
Delivery Order 0010-04
March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEW BEDFORD OUL
Project Location: NEW BEDFORD, MA
Project #: TO-0010-04
Project Manager: DAVE WALSH
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Date Rec'd in Lab:

ALPHA Job #: L111,9294

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Client Information

Client: WOODS HOLE GROUP, INC.
Address: 81 TECHNOLOGY PARK DR.
E. PALMATH, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD & Data Report

PLEASE NOTE • Please Homogenize sample before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	PCB PER	PCB PCB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type A A
Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
Delivery Order 0010-04
March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

Project Information

Project Name: New Bedford OV 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EPP + Data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #: K119294

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

SAMPLE HANDLING

Filtration

☐ Done
☐ Not needed
☐ Lab to do
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										
		Date	Time												
8	S-11N-CO15-0-0.5	11/17/11	15:06	SED	DRW	X	X								
	S-11N-CO15-0.5-1.0					X									
	S-11N-CO15-1.0-1.5					X									
- 9	S-11N-CO16-0-0.5	11/17/11	13:56	SED	DRW	X	X								
- 10	S-11N-CO16-0.5-1.0					X	X								
	S-11N-CO16-1.0-2.0					X									
	S-11N-CO16-2.0-3.0					X									
	S-11N-CO17-0-0.5	11/17/11	14:22	SED	DRW	X									
	S-11N-CO17-0-0.5-REP					X									
	S-11N-CO18-0-0.5	11/17/11	09:33	SED	DRW	X									

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012

ALPHA
ANALYTICAL
WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD CHAIN OF CUSTODYPAGE 2 OF 4

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
E. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: New Bedford CV 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD + data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

ALPHA Job #: L1119294**Billing Information**

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Ling (NUSA 15) PCB Homologs		SAMPLE HANDLING		TOTAL # BOTTLES
	S-11N-C019-0-0.5	11/17/11	09:58	SED	DRW	X		GF-19		
11	S-11N-C020-0-0.5	11/17/11	10:19	SED	DRW	X	X	GD 22		1
	S-11N-C021-0-0.5	11/17/11	10:35	SED	DRW	X		GE 24		1
	S-11N-C021-0.5-1.0	11/17/11	10:35	SED	DRW	X		GE 24 - Archive		1
12	S-11N-C022-0-0.5	11/17/11	10:48	SED	DRW	X	X	GD 28		1
13	S-11N-C023-0-0.5	11/17/11	11:06	SED	DRW	X	X	KP 4		1
	S-11N-C023-0.5-1.0	11/17/11	11:06	SED	DRW	X		KP 4 - Archive		1
	S-11N-C024-0-0.5	11/17/11	11:57	SED	DRW	X		KU 3		1
	S-11N-C025-0-0.5	11/17/11	12:07	SED	DRW	X		KU 4		1
	S-11N-C025-0.5-1.0	11/17/11	12:07	SED	DRW	X		KU 4 - Archive		1

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
DW

11/23/11 1100
11/23/11 1503
B-142

YCM
[Signature]

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

MANSFIELD CHAIN OF CUSTODY

PAGE 4 OF 4

Serial No: 12201109:31

Date Rec'd in Lab:

ALPHA Job #: L1119294

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park Dr
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.com

Project Information

Project Name: New Bedford OVI
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State Fed Program Criteria

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD and data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Lab 10-00 (Please specify below)										Sample Specific Comments	T L E S	
		Date	Time			PCB	PCB	PCB										
	S-11N-C033-0-0.5	11/17/11	14:54	SED	DRW	X											KM17	1
	S-11N-C034-0-0.5	11/17/11	15:17	SED	DRW	X											KU20	1
	S-11N-C034-0.5-1.0	11/17/11	15:17	SED	DRW	X											KU20-Archive	1
	S-11N-C035-0-0.5	11/22/11	08:54	SED	DRW	X											KL20	1
	S-11N-C035-0.8-1.3	11/22/11	08:59	SED	DRW	X											KL20-Archive	1
	S-11N-C035-1.3-1.8	11/22/11	08:59	SED	DRW	X											KL20-Archive	1
-15/16	S-11N-C036-0.2-0.7	11/22/11	09:19	SED	DRW	X		X									KM23	1
-16/17	S-11N-C036-0.2-0.7-REP	11/22/11	09:19	SED	DRW	X		X									KM23-REP	1
	S-11N-C037-0-0.5	11/22/11	09:43	SED	DRW	X											KQ23	1
	S-11N-C037-1.0-1.5	11/22/11	09:43	SED	DRW	X											KQ23-Archive	1

ANALYSIS

PCB-Cong (MMAA 18)

PCB Homologs

PCB Homologs

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation _____

☐ Lab to do

(Please specify below)

TOTAL

BOTTLES

Sample Specific Comments

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Dick Smith
MCH

11/23/11 1100
11/23/11 1503
B-144

Y. Smith
Smith

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012



ANALYTICAL REPORT

Lab Number: L1119752

Client: Woods Hole Group
81 Technology Park Drive
East Falmouth, MA 02536

ATTN: Dave Walsh

Phone: (508) 540-8080

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Report Date: 12/20/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119752-01	S-11N-C015-0-0.5	NEW BEDFORD, MA	11/17/11 15:06
L1119752-02	S-11N-C015-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:06
L1119752-03	S-11N-C015-1.0-1.5	NEW BEDFORD, MA	11/17/11 15:06
L1119752-04	S-11N-C016-0-0.5	NEW BEDFORD, MA	11/17/11 13:56
L1119752-05	S-11N-C016-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-06	S-11N-C016-1.0-2.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-07	S-11N-C016-2.0-3.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-08	S-11N-C017-0-0.5	NEW BEDFORD, MA	11/17/11 14:22
L1119752-09	S-11N-C017-0-0.5-REP	NEW BEDFORD, MA	11/17/11 14:22
L1119752-10	S-11N-C018-0-0.5	NEW BEDFORD, MA	11/17/11 09:33
L1119752-11	S-11N-C019-0-0.5	NEW BEDFORD, MA	11/17/11 09:58
L1119752-12	S-11N-C020-0-0.5	NEW BEDFORD, MA	11/17/11 10:19
L1119752-13	S-11N-C021-0-0.5	NEW BEDFORD, MA	11/17/11 10:35
L1119752-14	S-11N-C021-0.5-1.0	NEW BEDFORD, MA	11/17/11 10:35
L1119752-15	S-11N-C022-0-0.5	NEW BEDFORD, MA	11/17/11 10:48
L1119752-16	S-11N-C023-0-0.5	NEW BEDFORD, MA	11/17/11 11:06
L1119752-17	S-11N-C023-0.5-1.0	NEW BEDFORD, MA	11/17/11 11:06
L1119752-18	S-11N-C024-0-0.5	NEW BEDFORD, MA	11/17/11 11:57
L1119752-19	S-11N-C025-0-0.5	NEW BEDFORD, MA	11/17/11 12:07
L1119752-20	S-11N-C025-0.5-1.0	NEW BEDFORD, MA	11/17/11 12:07
L1119752-21	S-11N-C026-0-0.5	NEW BEDFORD, MA	11/17/11 12:23
L1119752-22	S-11N-C027-0-0.5	NEW BEDFORD, MA	11/17/11 12:43
L1119752-23	S-11N-C028-0-0.5	NEW BEDFORD, MA	11/17/11 13:00
L1119752-24	S-11N-C029-0-0.5	NEW BEDFORD, MA	11/17/11 13:20
L1119752-25	S-11N-C030-0-0.5	NEW BEDFORD, MA	11/17/11 13:35
L1119752-26	S-11N-C030-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:35
L1119752-27	S-11N-C031-0-0.5	NEW BEDFORD, MA	11/17/11 14:10
L1119752-28	S-11N-C031-0.5-1.0	NEW BEDFORD, MA	11/17/11 14:10
L1119752-29	S-11N-C032-0-0.5	NEW BEDFORD, MA	11/17/11 14:41
L1119752-30	S-11N-C033-0-0.5	NEW BEDFORD, MA	11/17/11 14:54
L1119752-31	S-11N-C034-0-0.5	NEW BEDFORD, MA	11/17/11 15:17

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119752-32	S-11N-C034-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:17
L1119752-33	S-11N-C035-0-0.5	NEW BEDFORD, MA	11/22/11 08:59
L1119752-34	S-11N-C035-0.8-1.3	NEW BEDFORD, MA	11/22/11 08:59
L1119752-35	S-11N-C035-1.3-1.8	NEW BEDFORD, MA	11/22/11 08:59
L1119752-36	S-11N-C036-0.2-0.7	NEW BEDFORD, MA	11/22/11 09:19
L1119752-37	S-11N-C036-0.2-0.7-REP	NEW BEDFORD, MA	11/22/11 09:19
L1119752-38	S-11N-C037-0-0.5	NEW BEDFORD, MA	11/22/11 09:43
L1119752-39	S-11N-C037-1.0-1.5	NEW BEDFORD, MA	11/22/11 09:43

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 23, 2011 and placed in frozen storage. Samples were removed and initial percent solids were performed on November 29, 2011. The samples were placed in frozen storage after air-drying on December 2, 2011. Samples were removed from frozen storage on December 6, 2011 when they were removed to extract samples for PCB Congener analysis and analyze for air-dried percent solids.

PCB Congeners by GC/ECD

The PCB Congener analysis was performed utilizing dual column confirmation with the higher of the two values reported. Technical judgment was employed in the case of an observed interference. In each case that interference was observed on one column, the value from the opposite column was reported regardless of whether it was the higher or lower value.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Case Narrative (continued)

The majority of the samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The WG506372-2 LCS recoveries, associated with L1119752-01,-02,-04,-06,-08,-09,-10,-11,-12,-13,-15,-16,-18,-19,-21,-22,-23 and -24, were above the acceptance criteria for CI2-BZ#8 (324%), CI3-BZ#18 (393%), CI3-BZ#28 (441%), CI4-BZ#52 (342%), CI4-BZ#44 (169%), CI4-BZ#66 (170%) and CI5-BZ#101 (152%); however, the LCSD was within QC limits. The WG506372-3 LCS/LCSD RPD(s) are above the acceptance criteria for several congeners due to the LCS outliers.

The WG506591-3 LCSD recoveries, associated with L1119752-25, -27, -29, -30, -31, -36,-37 and -38, are above the individual acceptance criteria for CI3-BZ#28 (150%), . The results of the associated samples are reported.

The WG506835-2 LCS recoveries are outside the acceptance criteria for CI3-BZ#28 (148%). The WG506835-3 LCS/LCSD RPD(s), associated with L1119752-33, are above the acceptance criteria for CI3-BZ#18 (34%) and CI3-BZ#28 (45%).

The MS/MSDs analyzed on samples L1119752-02 and -25 were not reported due to the high concentrations and dilutions needed for the field samples utilized for MS/MSD.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cynthia McQueen

Title: Technical Director/Representative

Date: 12/20/11

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-01
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 11:20
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	230000		ug/kg	26800	--	20000
CI3-BZ#18	343000		ug/kg	26800	--	20000
CI5-BZ#118	ND		ug/kg	26800	--	20000
CI5-BZ#105	ND		ug/kg	26800	--	20000
CI6-BZ#138	ND		ug/kg	26800	--	20000
CI7-BZ#187	ND		ug/kg	26800	--	20000
CI6-BZ#128	ND		ug/kg	26800	--	20000
CI7-BZ#180	ND		ug/kg	26800	--	20000
CI7-BZ#170	ND		ug/kg	26800	--	20000
CI8-BZ#195	ND		ug/kg	26800	--	20000
CI9-BZ#206	ND		ug/kg	26800	--	20000
CI10-BZ#209	ND		ug/kg	26800	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-01
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 11:20
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	316000		ug/kg	26800	--	20000
CI4-BZ#52	235000		ug/kg	26800	--	20000
CI4-BZ#44	88900		ug/kg	26800	--	20000
CI4-BZ#66	75200		ug/kg	26800	--	20000
CI5-BZ#101	37700		ug/kg	26800	--	20000
CI6-BZ#153	ND		ug/kg	26800	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	110000		ug/kg	13400	--	10000
CI3-BZ#18	157000		ug/kg	13400	--	10000
CI5-BZ#105	ND		ug/kg	13400	--	10000
CI6-BZ#138	ND		ug/kg	13400	--	10000
CI7-BZ#187	ND		ug/kg	13400	--	10000
CI6-BZ#128	ND		ug/kg	13400	--	10000
CI7-BZ#180	ND		ug/kg	13400	--	10000
CI7-BZ#170	ND		ug/kg	13400	--	10000
CI8-BZ#195	ND		ug/kg	13400	--	10000
CI9-BZ#206	ND		ug/kg	13400	--	10000
CI10-BZ#209	ND		ug/kg	13400	--	10000
DBOB	81		30-150			
BZ 198	93		30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-02
Client ID: S-11N-C015-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 15:02
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	151000		ug/kg	13400	--	10000
CI4-BZ#52	126000		ug/kg	13400	--	10000
CI4-BZ#44	52000		ug/kg	13400	--	10000
CI4-BZ#66	45400		ug/kg	13400	--	10000
CI5-BZ#101	20800		ug/kg	13400	--	10000
CI5-BZ#118	ND		ug/kg	13400	--	10000
CI6-BZ#153	ND		ug/kg	13400	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	81		30-150
BZ 198	93		30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	55100		ug/kg	6730	--	5000
CI3-BZ#18	98300		ug/kg	6730	--	5000
CI5-BZ#105	ND		ug/kg	6730	--	5000
CI6-BZ#138	ND		ug/kg	6730	--	5000
CI7-BZ#187	ND		ug/kg	6730	--	5000
CI6-BZ#128	ND		ug/kg	6730	--	5000
CI7-BZ#180	ND		ug/kg	6730	--	5000
CI7-BZ#170	ND		ug/kg	6730	--	5000
CI8-BZ#195	ND		ug/kg	6730	--	5000
CI9-BZ#206	ND		ug/kg	6730	--	5000
CI10-BZ#209	ND		ug/kg	6730	--	5000

DBOB	100	30-150
BZ 198	87	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-04
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 17:57
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	98200		ug/kg	6730	--	5000
CI4-BZ#52	103000		ug/kg	6730	--	5000
CI4-BZ#44	31900		ug/kg	6730	--	5000
CI4-BZ#66	28000		ug/kg	6730	--	5000
CI5-BZ#101	14900		ug/kg	6730	--	5000
CI5-BZ#118	6740		ug/kg	6730	--	5000
CI6-BZ#153	8960		ug/kg	6730	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	100		30-150
BZ 198	87		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-06
Client ID: S-11N-C016-1.0-2.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 18:41
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	80700		ug/kg	13300	--	10000
CI3-BZ#18	157000		ug/kg	13300	--	10000
CI5-BZ#118	ND		ug/kg	13300	--	10000
CI5-BZ#105	ND		ug/kg	13300	--	10000
CI6-BZ#138	ND		ug/kg	13300	--	10000
CI7-BZ#187	ND		ug/kg	13300	--	10000
CI6-BZ#128	ND		ug/kg	13300	--	10000
CI7-BZ#180	ND		ug/kg	13300	--	10000
CI7-BZ#170	ND		ug/kg	13300	--	10000
CI8-BZ#195	ND		ug/kg	13300	--	10000
CI9-BZ#206	ND		ug/kg	13300	--	10000
CI10-BZ#209	ND		ug/kg	13300	--	10000

DBOB	103	30-150
BZ 198	104	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-06
Client ID: S-11N-C016-1.0-2.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 18:41
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	143000		ug/kg	13300	--	10000
CI4-BZ#52	187000		ug/kg	13300	--	10000
CI4-BZ#44	39300		ug/kg	13300	--	10000
CI4-BZ#66	27700		ug/kg	13300	--	10000
CI5-BZ#101	ND		ug/kg	13300	--	10000
CI6-BZ#153	ND		ug/kg	13300	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	104		30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	17800		ug/kg	2680	--	2000
CI3-BZ#18	24400		ug/kg	2680	--	2000
CI5-BZ#105	ND		ug/kg	2680	--	2000
CI6-BZ#138	ND		ug/kg	2680	--	2000
CI7-BZ#187	ND		ug/kg	2680	--	2000
CI6-BZ#128	ND		ug/kg	2680	--	2000
CI7-BZ#180	ND		ug/kg	2680	--	2000
CI7-BZ#170	ND		ug/kg	2680	--	2000
CI8-BZ#195	ND		ug/kg	2680	--	2000
CI9-BZ#206	ND		ug/kg	2680	--	2000
CI10-BZ#209	ND		ug/kg	2680	--	2000
DBOB	110		30-150			
BZ 198	102		30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-08
Client ID: S-11N-C017-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 19:24
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	33400		ug/kg	2680	--	2000
CI4-BZ#52	32500		ug/kg	2680	--	2000
CI4-BZ#44	10300		ug/kg	2680	--	2000
CI4-BZ#66	8880		ug/kg	2680	--	2000
CI5-BZ#101	4820		ug/kg	2680	--	2000
CI5-BZ#118	ND		ug/kg	2680	--	2000
CI6-BZ#153	2900		ug/kg	2680	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	110		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-09
Client ID: S-11N-C017-0-0.5-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:08
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	29800		ug/kg	2700	--	2000
CI3-BZ#18	50100		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	3180		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

DBOB	98	30-150
BZ 198	89	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-09
Client ID: S-11N-C017-0-0.5-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:08
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	50300		ug/kg	2700	--	2000
CI4-BZ#52	51900		ug/kg	2700	--	2000
CI4-BZ#44	17000		ug/kg	2700	--	2000
CI4-BZ#66	14100		ug/kg	2700	--	2000
CI5-BZ#101	7380		ug/kg	2700	--	2000
CI5-BZ#118	3540		ug/kg	2700	--	2000
CI6-BZ#153	4660		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	98		30-150
BZ 198	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-10
Client ID: S-11N-C018-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:10
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:33
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	527		ug/kg	132	--	100
CI4-BZ#52	768		ug/kg	132	--	100
CI5-BZ#118	ND		ug/kg	132	--	100
CI5-BZ#105	ND		ug/kg	132	--	100
CI6-BZ#138	ND		ug/kg	132	--	100
CI7-BZ#187	ND		ug/kg	132	--	100
CI6-BZ#128	ND		ug/kg	132	--	100
CI7-BZ#180	ND		ug/kg	132	--	100
CI7-BZ#170	ND		ug/kg	132	--	100
CI8-BZ#195	ND		ug/kg	132	--	100
CI9-BZ#206	ND		ug/kg	132	--	100
CI10-BZ#209	ND		ug/kg	132	--	100

DBOB	119	30-150
BZ 198	98	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-10
Client ID: S-11N-C018-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:10
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:33
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	235		ug/kg	132	--	100
CI3-BZ#28	632		ug/kg	132	--	100
CI4-BZ#44	222		ug/kg	132	--	100
CI4-BZ#66	185		ug/kg	132	--	100
CI5-BZ#101	ND		ug/kg	132	--	100
CI6-BZ#153	ND		ug/kg	132	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	98		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-11
Client ID: S-11N-C019-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:54
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:58
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	276		ug/kg	133	--	100
CI3-BZ#18	635		ug/kg	133	--	100
CI5-BZ#105	ND		ug/kg	133	--	100
CI6-BZ#138	ND		ug/kg	133	--	100
CI7-BZ#187	ND		ug/kg	133	--	100
CI6-BZ#128	ND		ug/kg	133	--	100
CI7-BZ#180	ND		ug/kg	133	--	100
CI7-BZ#170	ND		ug/kg	133	--	100
CI8-BZ#195	ND		ug/kg	133	--	100
CI9-BZ#206	ND		ug/kg	133	--	100
CI10-BZ#209	ND		ug/kg	133	--	100

DBOB	111	30-150
BZ 198	97	30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 09:58
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#28	836		ug/kg	133	--	100
Cl4-BZ#52	957		ug/kg	133	--	100
Cl4-BZ#44	257		ug/kg	133	--	100
Cl4-BZ#66	217		ug/kg	133	--	100
Cl5-BZ#101	137		ug/kg	133	--	100
Cl5-BZ#118	ND		ug/kg	133	--	100
Cl6-BZ#153	ND		ug/kg	133	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	111		30-150
BZ 198	97		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-12
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 00:27
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	5510		ug/kg	1330	--	1000
CI3-BZ#18	10100		ug/kg	1330	--	1000
CI5-BZ#105	ND		ug/kg	1330	--	1000
CI6-BZ#138	ND		ug/kg	1330	--	1000
CI7-BZ#187	ND		ug/kg	1330	--	1000
CI6-BZ#128	ND		ug/kg	1330	--	1000
CI7-BZ#180	ND		ug/kg	1330	--	1000
CI7-BZ#170	ND		ug/kg	1330	--	1000
CI8-BZ#195	ND		ug/kg	1330	--	1000
CI9-BZ#206	ND		ug/kg	1330	--	1000
CI10-BZ#209	ND		ug/kg	1330	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-12
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 00:27
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	12300		ug/kg	1330	--	1000
CI4-BZ#52	14100		ug/kg	1330	--	1000
CI4-BZ#44	3350		ug/kg	1330	--	1000
CI4-BZ#66	2710		ug/kg	1330	--	1000
CI5-BZ#101	1750		ug/kg	1330	--	1000
CI5-BZ#118	ND		ug/kg	1330	--	1000
CI6-BZ#153	1530		ug/kg	1330	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-13
Client ID: S-11N-C021-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	6690		ug/kg	1340	--	1000
CI3-BZ#18	9970		ug/kg	1340	--	1000
CI5-BZ#105	ND		ug/kg	1340	--	1000
CI6-BZ#138	1340		ug/kg	1340	--	1000
CI7-BZ#187	ND		ug/kg	1340	--	1000
CI6-BZ#128	ND		ug/kg	1340	--	1000
CI7-BZ#180	ND		ug/kg	1340	--	1000
CI7-BZ#170	ND		ug/kg	1340	--	1000
CI8-BZ#195	ND		ug/kg	1340	--	1000
CI9-BZ#206	ND		ug/kg	1340	--	1000
CI10-BZ#209	ND		ug/kg	1340	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-13
Client ID: S-11N-C021-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	16000		ug/kg	1340	--	1000
CI4-BZ#52	21800		ug/kg	1340	--	1000
CI4-BZ#44	4980		ug/kg	1340	--	1000
CI4-BZ#66	4140		ug/kg	1340	--	1000
CI5-BZ#101	2520		ug/kg	1340	--	1000
CI5-BZ#118	1460		ug/kg	1340	--	1000
CI6-BZ#153	2240		ug/kg	1340	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-15
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:55
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2980		ug/kg	1320	--	1000
CI3-BZ#18	5990		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	83		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-15
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:55
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	5030		ug/kg	1320	--	1000
CI4-BZ#52	8030		ug/kg	1320	--	1000
CI4-BZ#44	1390		ug/kg	1320	--	1000
CI4-BZ#66	1330		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	83		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-16
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:52
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	19900		ug/kg	13200	--	10000
CI3-BZ#18	45100		ug/kg	13200	--	10000
CI5-BZ#105	ND		ug/kg	13200	--	10000
CI6-BZ#138	ND		ug/kg	13200	--	10000
CI7-BZ#187	ND		ug/kg	13200	--	10000
CI6-BZ#128	ND		ug/kg	13200	--	10000
CI7-BZ#180	ND		ug/kg	13200	--	10000
CI7-BZ#170	ND		ug/kg	13200	--	10000
CI8-BZ#195	ND		ug/kg	13200	--	10000
CI9-BZ#206	ND		ug/kg	13200	--	10000
CI10-BZ#209	ND		ug/kg	13200	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	90		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-16
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:52
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	42300		ug/kg	13200	--	10000
CI4-BZ#52	159000		ug/kg	13200	--	10000
CI4-BZ#44	41600		ug/kg	13200	--	10000
CI4-BZ#66	63600		ug/kg	13200	--	10000
CI5-BZ#101	55400		ug/kg	13200	--	10000
CI5-BZ#118	46500		ug/kg	13200	--	10000
CI6-BZ#153	40300		ug/kg	13200	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	90		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-18
Client ID: S-11N-C024-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 21:35
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 11:57
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	11400		ug/kg	2650	--	2000
CI3-BZ#18	17300		ug/kg	2650	--	2000
CI5-BZ#105	ND		ug/kg	2650	--	2000
CI6-BZ#138	ND		ug/kg	2650	--	2000
CI7-BZ#187	ND		ug/kg	2650	--	2000
CI6-BZ#128	ND		ug/kg	2650	--	2000
CI7-BZ#180	ND		ug/kg	2650	--	2000
CI7-BZ#170	ND		ug/kg	2650	--	2000
CI8-BZ#195	ND		ug/kg	2650	--	2000
CI9-BZ#206	ND		ug/kg	2650	--	2000
CI10-BZ#209	ND		ug/kg	2650	--	2000

DBOB	98	30-150
BZ 198	94	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-18
Client ID: S-11N-C024-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 21:35
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 11:57
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	21600		ug/kg	2650	--	2000
CI4-BZ#52	28300		ug/kg	2650	--	2000
CI4-BZ#44	7610		ug/kg	2650	--	2000
CI4-BZ#66	6770		ug/kg	2650	--	2000
CI5-BZ#101	3720		ug/kg	2650	--	2000
CI5-BZ#118	ND		ug/kg	2650	--	2000
CI6-BZ#153	2930		ug/kg	2650	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	98		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-19
Client ID: S-11N-C025-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 22:19
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:07
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	37200		ug/kg	6640	--	5000
CI3-BZ#18	72400		ug/kg	6640	--	5000
CI5-BZ#118	ND		ug/kg	6640	--	5000
CI5-BZ#105	ND		ug/kg	6640	--	5000
CI6-BZ#138	ND		ug/kg	6640	--	5000
CI7-BZ#187	ND		ug/kg	6640	--	5000
CI6-BZ#128	ND		ug/kg	6640	--	5000
CI7-BZ#180	ND		ug/kg	6640	--	5000
CI7-BZ#170	ND		ug/kg	6640	--	5000
CI8-BZ#195	ND		ug/kg	6640	--	5000
CI9-BZ#206	ND		ug/kg	6640	--	5000
CI10-BZ#209	ND		ug/kg	6640	--	5000

DBOB	91	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-19
Client ID: S-11N-C025-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 22:19
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:07
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	66300		ug/kg	6640	--	5000
CI4-BZ#52	78800		ug/kg	6640	--	5000
CI4-BZ#44	21600		ug/kg	6640	--	5000
CI4-BZ#66	16700		ug/kg	6640	--	5000
CI5-BZ#101	8290		ug/kg	6640	--	5000
CI6-BZ#153	ND		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	91		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-21
Client ID: S-11N-C026-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:03
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:23
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	43100		ug/kg	6640	--	5000
CI3-BZ#18	84600		ug/kg	6640	--	5000
CI5-BZ#105	ND		ug/kg	6640	--	5000
CI6-BZ#138	ND		ug/kg	6640	--	5000
CI7-BZ#187	ND		ug/kg	6640	--	5000
CI6-BZ#128	ND		ug/kg	6640	--	5000
CI7-BZ#180	ND		ug/kg	6640	--	5000
CI7-BZ#170	ND		ug/kg	6640	--	5000
CI8-BZ#195	ND		ug/kg	6640	--	5000
CI9-BZ#206	ND		ug/kg	6640	--	5000
CI10-BZ#209	ND		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	93		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-21
Client ID: S-11N-C026-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:03
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:23
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	78100		ug/kg	6640	--	5000
CI4-BZ#52	86000		ug/kg	6640	--	5000
CI4-BZ#44	22400		ug/kg	6640	--	5000
CI4-BZ#66	19000		ug/kg	6640	--	5000
CI5-BZ#101	10000		ug/kg	6640	--	5000
CI5-BZ#118	ND		ug/kg	6640	--	5000
CI6-BZ#153	6840		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	93		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-22
 Client ID: S-11N-C027-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/15/11 23:47
 Analyst: JW
 Percent Solids: 98%

Date Collected: 11/17/11 12:43
 Date Received: 11/23/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/06/11 13:17
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	47000		ug/kg	6680	--	5000
CI3-BZ#18	85200		ug/kg	6680	--	5000
CI5-BZ#105	ND		ug/kg	6680	--	5000
CI6-BZ#138	ND		ug/kg	6680	--	5000
CI7-BZ#187	ND		ug/kg	6680	--	5000
CI6-BZ#128	ND		ug/kg	6680	--	5000
CI7-BZ#180	ND		ug/kg	6680	--	5000
CI7-BZ#170	ND		ug/kg	6680	--	5000
CI8-BZ#195	ND		ug/kg	6680	--	5000
CI9-BZ#206	ND		ug/kg	6680	--	5000
CI10-BZ#209	ND		ug/kg	6680	--	5000

DBOB	97	30-150
BZ 198	105	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-22
Client ID: S-11N-C027-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:47
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	85900		ug/kg	6680	--	5000
CI4-BZ#52	112000		ug/kg	6680	--	5000
CI4-BZ#44	27600		ug/kg	6680	--	5000
CI4-BZ#66	21700		ug/kg	6680	--	5000
CI5-BZ#101	10500		ug/kg	6680	--	5000
CI5-BZ#118	ND		ug/kg	6680	--	5000
CI6-BZ#153	8550		ug/kg	6680	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	97		30-150
BZ 198	105		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-23
Client ID: S-11N-C028-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 06:17
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:00
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	5280		ug/kg	1320	--	1000
CI3-BZ#18	7410		ug/kg	1320	--	1000
CI5-BZ#118	1680		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	109		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-23
Client ID: S-11N-C028-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 06:17
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:00
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	9840		ug/kg	1320	--	1000
CI4-BZ#52	12500		ug/kg	1320	--	1000
CI4-BZ#44	3980		ug/kg	1320	--	1000
CI4-BZ#66	3850		ug/kg	1320	--	1000
CI5-BZ#101	2370		ug/kg	1320	--	1000
CI6-BZ#153	1680		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	109		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-24
Client ID: S-11N-C029-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 18:37
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:20
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	437		ug/kg	133	--	100
CI3-BZ#18	771		ug/kg	133	--	100
CI5-BZ#118	ND		ug/kg	133	--	100
CI5-BZ#105	ND		ug/kg	133	--	100
CI6-BZ#138	ND		ug/kg	133	--	100
CI7-BZ#187	ND		ug/kg	133	--	100
CI6-BZ#128	ND		ug/kg	133	--	100
CI7-BZ#180	ND		ug/kg	133	--	100
CI7-BZ#170	ND		ug/kg	133	--	100
CI8-BZ#195	ND		ug/kg	133	--	100
CI9-BZ#206	ND		ug/kg	133	--	100
CI10-BZ#209	ND		ug/kg	133	--	100

DBOB	89	30-150
BZ 198	80	30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 13:20
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#28	653		ug/kg	133	--	100
Cl4-BZ#52	792		ug/kg	133	--	100
Cl4-BZ#44	189		ug/kg	133	--	100
Cl4-BZ#66	150		ug/kg	133	--	100
Cl5-BZ#101	ND		ug/kg	133	--	100
Cl6-BZ#153	ND		ug/kg	133	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-25
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 00:30
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	86800		ug/kg	13500	--	10000
CI3-BZ#18	149000		ug/kg	13500	--	10000
CI5-BZ#105	ND		ug/kg	13500	--	10000
CI6-BZ#138	ND		ug/kg	13500	--	10000
CI7-BZ#187	ND		ug/kg	13500	--	10000
CI6-BZ#128	ND		ug/kg	13500	--	10000
CI7-BZ#180	ND		ug/kg	13500	--	10000
CI7-BZ#170	ND		ug/kg	13500	--	10000
CI8-BZ#195	ND		ug/kg	13500	--	10000
CI9-BZ#206	ND		ug/kg	13500	--	10000
CI10-BZ#209	ND		ug/kg	13500	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	82		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-25
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 00:30
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	132000		ug/kg	13500	--	10000
CI4-BZ#52	154000		ug/kg	13500	--	10000
CI4-BZ#44	46000		ug/kg	13500	--	10000
CI4-BZ#66	44300		ug/kg	13500	--	10000
CI5-BZ#101	26400		ug/kg	13500	--	10000
CI5-BZ#118	ND		ug/kg	13500	--	10000
CI6-BZ#153	16200		ug/kg	13500	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	82		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-27
Client ID: S-11N-C031-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 02:42
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	14200		ug/kg	2690	--	2000
CI3-BZ#18	27600		ug/kg	2690	--	2000
CI5-BZ#105	ND		ug/kg	2690	--	2000
CI6-BZ#138	ND		ug/kg	2690	--	2000
CI7-BZ#187	ND		ug/kg	2690	--	2000
CI6-BZ#128	ND		ug/kg	2690	--	2000
CI7-BZ#180	ND		ug/kg	2690	--	2000
CI7-BZ#170	ND		ug/kg	2690	--	2000
CI8-BZ#195	ND		ug/kg	2690	--	2000
CI9-BZ#206	ND		ug/kg	2690	--	2000
CI10-BZ#209	ND		ug/kg	2690	--	2000

DBOB	83	30-150
BZ 198	85	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-27
Client ID: S-11N-C031-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 02:42
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	35400		ug/kg	2690	--	2000
CI4-BZ#52	38400		ug/kg	2690	--	2000
CI4-BZ#44	11600		ug/kg	2690	--	2000
CI4-BZ#66	9980		ug/kg	2690	--	2000
CI5-BZ#101	5220		ug/kg	2690	--	2000
CI5-BZ#118	ND		ug/kg	2690	--	2000
CI6-BZ#153	3580		ug/kg	2690	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	83		30-150
BZ 198	85		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-29
Client ID: S-11N-C032-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 20:05
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:41
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	65.8		ug/kg	13.2	--	10
CI4-BZ#52	93.0		ug/kg	13.2	--	10
CI4-BZ#66	17.0		ug/kg	13.2	--	10
CI5-BZ#118	ND		ug/kg	13.2	--	10
CI5-BZ#105	ND		ug/kg	13.2	--	10
CI6-BZ#138	ND		ug/kg	13.2	--	10
CI7-BZ#187	ND		ug/kg	13.2	--	10
CI6-BZ#128	ND		ug/kg	13.2	--	10
CI7-BZ#180	ND		ug/kg	13.2	--	10
CI7-BZ#170	ND		ug/kg	13.2	--	10
CI8-BZ#195	ND		ug/kg	13.2	--	10
CI9-BZ#206	ND		ug/kg	13.2	--	10
CI10-BZ#209	ND		ug/kg	13.2	--	10

DBOB	119	30-150
BZ 198	101	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-29
Client ID: S-11N-C032-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 20:05
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:41
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	48.4		ug/kg	13.2	--	10
Cl3-BZ#28	60.1		ug/kg	13.2	--	10
Cl4-BZ#44	20.1		ug/kg	13.2	--	10
Cl5-BZ#101	ND		ug/kg	13.2	--	10
Cl6-BZ#153	ND		ug/kg	13.2	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	101		30-150

Lab Number: L1119752
Report Date: 12/20/11

SAMPLE RESULTS

Date Collected: 11/17/11 14:54
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	13700		ug/kg	2690	--	2000
CI3-BZ#18	19700		ug/kg	2690	--	2000
CI5-BZ#105	ND		ug/kg	2690	--	2000
CI6-BZ#138	ND		ug/kg	2690	--	2000
CI7-BZ#187	ND		ug/kg	2690	--	2000
CI6-BZ#128	ND		ug/kg	2690	--	2000
CI7-BZ#180	ND		ug/kg	2690	--	2000
CI7-BZ#170	ND		ug/kg	2690	--	2000
CI8-BZ#195	ND		ug/kg	2690	--	2000
CI9-BZ#206	ND		ug/kg	2690	--	2000
CI10-BZ#209	ND		ug/kg	2690	--	2000

DBOB	84	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-30
Client ID: S-11N-C033-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 03:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:54
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	27100		ug/kg	2690	--	2000
CI4-BZ#52	34000		ug/kg	2690	--	2000
CI4-BZ#44	11900		ug/kg	2690	--	2000
CI4-BZ#66	11000		ug/kg	2690	--	2000
CI5-BZ#101	7160		ug/kg	2690	--	2000
CI5-BZ#118	4490		ug/kg	2690	--	2000
CI6-BZ#153	4980		ug/kg	2690	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	84		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-31
Client ID: S-11N-C034-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 04:53
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	25000		ug/kg	2700	--	2000
CI3-BZ#18	34000		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	ND		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

DBOB	88	30-150
BZ 198	99	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-31
Client ID: S-11N-C034-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 04:53
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	50500		ug/kg	2700	--	2000
CI4-BZ#52	52700		ug/kg	2700	--	2000
CI4-BZ#44	14800		ug/kg	2700	--	2000
CI4-BZ#66	10800		ug/kg	2700	--	2000
CI5-BZ#101	4670		ug/kg	2700	--	2000
CI5-BZ#118	ND		ug/kg	2700	--	2000
CI6-BZ#153	3450		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-33
Client ID: S-11N-C035-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 05:37
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 08:59
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/08/11 10:53
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	66000		ug/kg	6770	--	5000
CI3-BZ#18	114000		ug/kg	6770	--	5000
CI5-BZ#118	ND		ug/kg	6770	--	5000
CI5-BZ#105	ND		ug/kg	6770	--	5000
CI6-BZ#138	ND		ug/kg	6770	--	5000
CI7-BZ#187	ND		ug/kg	6770	--	5000
CI6-BZ#128	ND		ug/kg	6770	--	5000
CI7-BZ#180	ND		ug/kg	6770	--	5000
CI7-BZ#170	ND		ug/kg	6770	--	5000
CI8-BZ#195	ND		ug/kg	6770	--	5000
CI9-BZ#206	ND		ug/kg	6770	--	5000
CI10-BZ#209	ND		ug/kg	6770	--	5000

DBOB	100	30-150
BZ 198	109	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-33
Client ID: S-11N-C035-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 05:37
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 08:59
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/08/11 10:53
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	109000		ug/kg	6770	--	5000
CI4-BZ#52	94900		ug/kg	6770	--	5000
CI4-BZ#44	35000		ug/kg	6770	--	5000
CI4-BZ#66	23600		ug/kg	6770	--	5000
CI5-BZ#101	14000		ug/kg	6770	--	5000
CI6-BZ#153	8660		ug/kg	6770	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	100		30-150
BZ 198	109		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-36
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 12:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	228000		ug/kg	27000	--	20000
CI3-BZ#18	268000		ug/kg	27000	--	20000
CI5-BZ#105	ND		ug/kg	27000	--	20000
CI6-BZ#138	ND		ug/kg	27000	--	20000
CI7-BZ#187	ND		ug/kg	27000	--	20000
CI6-BZ#128	ND		ug/kg	27000	--	20000
CI7-BZ#180	ND		ug/kg	27000	--	20000
CI7-BZ#170	ND		ug/kg	27000	--	20000
CI8-BZ#195	ND		ug/kg	27000	--	20000
CI9-BZ#206	ND		ug/kg	27000	--	20000
CI10-BZ#209	ND		ug/kg	27000	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	91		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-36
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 12:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	314000		ug/kg	27000	--	20000
CI4-BZ#52	228000		ug/kg	27000	--	20000
CI4-BZ#44	81500		ug/kg	27000	--	20000
CI4-BZ#66	71000		ug/kg	27000	--	20000
CI5-BZ#101	27300		ug/kg	27000	--	20000
CI5-BZ#118	ND		ug/kg	27000	--	20000
CI6-BZ#153	ND		ug/kg	27000	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	91		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-37
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:04
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	90200		ug/kg	6630	--	5000
CI3-BZ#18	120000		ug/kg	6630	--	5000
CI5-BZ#105	ND		ug/kg	6630	--	5000
CI6-BZ#138	ND		ug/kg	6630	--	5000
CI7-BZ#187	ND		ug/kg	6630	--	5000
CI6-BZ#128	ND		ug/kg	6630	--	5000
CI7-BZ#180	ND		ug/kg	6630	--	5000
CI7-BZ#170	ND		ug/kg	6630	--	5000
CI8-BZ#195	ND		ug/kg	6630	--	5000
CI9-BZ#206	ND		ug/kg	6630	--	5000
CI10-BZ#209	ND		ug/kg	6630	--	5000

DBOB	99	30-150
BZ 198	107	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-37
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:04
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	132000		ug/kg	6630	--	5000
CI4-BZ#52	119000		ug/kg	6630	--	5000
CI4-BZ#44	33100		ug/kg	6630	--	5000
CI4-BZ#66	24800		ug/kg	6630	--	5000
CI5-BZ#101	10600		ug/kg	6630	--	5000
CI5-BZ#118	ND		ug/kg	6630	--	5000
CI6-BZ#153	6660		ug/kg	6630	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	99		30-150
BZ 198	107		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-38
Client ID: S-11N-C037-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:48
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	20400		ug/kg	2660	--	2000
CI3-BZ#18	28100		ug/kg	2660	--	2000
CI5-BZ#105	ND		ug/kg	2660	--	2000
CI6-BZ#138	ND		ug/kg	2660	--	2000
CI7-BZ#187	ND		ug/kg	2660	--	2000
CI6-BZ#128	ND		ug/kg	2660	--	2000
CI7-BZ#180	ND		ug/kg	2660	--	2000
CI7-BZ#170	ND		ug/kg	2660	--	2000
CI8-BZ#195	ND		ug/kg	2660	--	2000
CI9-BZ#206	ND		ug/kg	2660	--	2000
CI10-BZ#209	ND		ug/kg	2660	--	2000

DBOB	97	30-150
BZ 198	97	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-38
Client ID: S-11N-C037-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:48
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	33500		ug/kg	2660	--	2000
CI4-BZ#52	39100		ug/kg	2660	--	2000
CI4-BZ#44	9900		ug/kg	2660	--	2000
CI4-BZ#66	7460		ug/kg	2660	--	2000
CI5-BZ#101	3500		ug/kg	2660	--	2000
CI5-BZ#118	ND		ug/kg	2660	--	2000
CI6-BZ#153	2720		ug/kg	2660	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	97		30-150
BZ 198	97		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 19:06
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/06/11 13:16
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 19:06
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/06/11 13:16
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 16:54
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/07/11 11:51
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 25,27,29-31,36-38 Batch: WG506591-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	71		30-150
BZ 198	91		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 16:54
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/07/11 11:51
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 25,27,29-31,36-38 Batch: WG506591-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	71		30-150
BZ 198	91		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 14:43
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/08/11 10:53
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 33 Batch: WG506835-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 14:43
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/08/11 10:53
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 33 Batch: WG506835-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	95		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3								
Cl2-BZ#8	324	Q	101		40-140	105	Q	30
Cl3-BZ#18	393	Q	116		40-140	109	Q	30
Cl3-BZ#28	441	Q	105		40-140	123	Q	30
Cl4-BZ#52	342	Q	98		40-140	111	Q	30
Cl4-BZ#44	169	Q	88		40-140	63	Q	30
Cl4-BZ#66	170	Q	88		40-140	64	Q	30
Cl5-BZ#101	152	Q	90		40-140	51	Q	30
Cl5-BZ#118	116		90		40-140	25		30
Cl5-BZ#105	80		83		40-140	4		30
Cl6-BZ#138	102		89		40-140	14		30
Cl7-BZ#187	94		91		40-140	3		30
Cl6-BZ#128	88		87		40-140	1		30
Cl7-BZ#180	100		94		40-140	6		30
Cl7-BZ#170	94		89		40-140	5		30
Cl8-BZ#195	87		85		40-140	2		30
Cl9-BZ#206	96		97		40-140	1		30
Cl10-BZ#209	87		88		40-140	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3								

DBOB	91	90	30-150
BZ 198	97	98	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3

Cl6-BZ#153	110	81	40-140	30	30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	91		90		30-150
BZ 198	97		98		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3								
CI2-BZ#8	106		110		40-140	4		30
CI3-BZ#18	124		136		40-140	9		30
CI3-BZ#28	121		150	Q	40-140	21		30
CI4-BZ#52	105		127		40-140	19		30
CI4-BZ#44	92		97		40-140	5		30
CI4-BZ#66	91		98		40-140	7		30
CI5-BZ#101	91		97		40-140	6		30
CI5-BZ#118	98		96		40-140	2		30
CI5-BZ#105	90		82		40-140	9		30
CI6-BZ#138	97		96		40-140	1		30
CI7-BZ#187	97		94		40-140	3		30
CI6-BZ#128	96		92		40-140	4		30
CI7-BZ#180	104		101		40-140	3		30
CI7-BZ#170	99		95		40-140	4		30
CI8-BZ#195	94		91		40-140	3		30
CI9-BZ#206	105		101		40-140	4		30
CI10-BZ#209	94		89		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab	Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3							

DBOB	79	77	30-150
BZ 198	94	99	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3					
Cl6-BZ#153	86	87	40-140	1	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	79		77		30-150
BZ 198	94		99		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3								
CI2-BZ#8	101		80		40-140	23		30
CI3-BZ#18	127		90		40-140	34	Q	30
CI3-BZ#28	148	Q	94		40-140	45	Q	30
CI4-BZ#52	127		101		40-140	23		30
CI4-BZ#44	100		85		40-140	16		30
CI4-BZ#66	98		83		40-140	17		30
CI5-BZ#101	101		84		40-140	18		30
CI5-BZ#118	108		86		40-140	23		30
CI5-BZ#105	94		80		40-140	16		30
CI6-BZ#138	102		86		40-140	17		30
CI7-BZ#187	100		86		40-140	15		30
CI6-BZ#128	100		85		40-140	16		30
CI7-BZ#180	109		90		40-140	19		30
CI7-BZ#170	103		87		40-140	17		30
CI8-BZ#195	94		83		40-140	12		30
CI9-BZ#206	109		93		40-140	16		30
CI10-BZ#209	98		85		40-140	14		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3								

DBOB	80	73	30-150
BZ 198	98	89	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3					
Cl6-BZ#153	92	75	40-140	20	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	80		73		30-150
BZ 198	98		89		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-01

Client ID: S-11N-C015-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-02**Date Collected:** 11/17/11 15:06**Client ID:** S-11N-C015-0.5-1.0**Date Received:** 11/23/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	40.4		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-04

Client ID: S-11N-C016-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:56

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	29.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-06

Client ID: S-11N-C016-1.0-2.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:56

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	36.5		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-08

Client ID: S-11N-C017-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:22

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	38.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-09
Client ID: S-11N-C017-0-0.5-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	31.3		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-10

Client ID: S-11N-C018-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 09:33

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	99.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	42.2		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-11

Client ID: S-11N-C019-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 09:58

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	46.7		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-12
 Client ID: S-11N-C020-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment

Date Collected: 11/17/11 10:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	36.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-13

Client ID: S-11N-C021-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 10:35

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	34.5		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-15

Client ID: S-11N-C022-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 10:48

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	46.1		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-16**Date Collected:** 11/17/11 11:06**Client ID:** S-11N-C023-0-0.5**Date Received:** 11/23/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-18

Client ID: S-11N-C024-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 11:57

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.9		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	41.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-19

Client ID: S-11N-C025-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 12:07

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	35.3		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-21

Date Collected: 11/17/11 12:23

Client ID: S-11N-C026-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.0		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	34.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-22

Date Collected: 11/17/11 12:43

Client ID: S-11N-C027-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-23

Client ID: S-11N-C028-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:00

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	99.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	49.2		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-24**Date Collected:** 11/17/11 13:20**Client ID:** S-11N-C029-0-0.5**Date Received:** 11/23/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	44.3		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-25

Client ID: S-11N-C030-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:35

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.8		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-27

Client ID: S-11N-C031-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:10

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.4		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	31.6		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-29

Client ID: S-11N-C032-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:41

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	39.5		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-30

Date Collected: 11/17/11 14:54

Client ID: S-11N-C033-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	39.1		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-31

Client ID: S-11N-C034-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:17

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	32.2		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-33

Client ID: S-11N-C035-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/22/11 08:59

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-36

Date Collected: 11/22/11 09:19

Client ID: S-11N-C036-0.2-0.7

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-37
 Client ID: S-11N-C036-0.2-0.7-REP
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment

Date Collected: 11/22/11 09:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	37.4		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119752**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-38**Client ID:** S-11N-C037-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/22/11 09:43**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Lab Duplicate Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 QC Batch ID: WG506341-1 QC Sample: L1119752-01 Client ID: S-11N-C015-0-0.5						
Solids, Total	97.7	97.7	%	0		20
General Chemistry - Mansfield Lab Associated sample(s): 25,27,29-31,33,36-38 QC Batch ID: WG506561-1 QC Sample: L1119752-25 Client ID: S-11N-C030-0-0.5						
Solids, Total	96.8	97.2	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119752-01A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-02A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-03A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-04A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-05A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-06A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-07A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-08A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-09A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-10A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-11A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-12A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-13A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-14A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-15A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-16A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-17A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-18A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-19A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-20A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119752-21A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-22A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-23A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-24A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-25A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-25B	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-PCBCONG-8082-NOAA(14)
L1119752-26A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-27A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-28A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-29A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-30A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-31A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-32A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-33A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-34A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-35A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-36A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-37A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-38A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-39A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()

Container Comments

L1119752-01A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-02A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-03A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-04A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-05A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-06A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-07A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1119752-08A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-09A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-10A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-11A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-12A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-13A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-14A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-15A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-16A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-17A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-18A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-19A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-20A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-21A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-22A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-23A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-24A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-25A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-25B	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-26A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-27A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-28A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-29A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-30A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-31A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-32A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-33A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						
L1119752-34A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11						

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1119752-35A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-36A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-37A

L1119752-38A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-39A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 4

WESTBORO, MA
TEL: 508-898-9220
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MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

Project Information

Project Name: New Bedford OU 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EDD + Data report

PLEASE NOTE *Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (NCAA 15) PCB-Homologs										Sample Specific Comments	
		Date	Time														
1	S-11N-C015-0-0.5	11/17/11	15:06	SED	DRW	X	X									KQ19	1
2	S-11N-C015-0.5-1.0	↓	↓	↓	↓	X										KQ19	1
3	S-11N-C015-1.0-1.5	↓	↓	↓	↓	X										KQ19-Archive	1
4	S-11N-C016-0-0.5	11/17/11	13:56	SED	DRW	X	X									KW12A	1
5	S-11N-C016-0.5-1.0	↓	↓	↓	↓	X	X									KW12A-Archive	1
6	S-11N-C016-1.0-2.0	↓	↓	↓	↓	X										KW12A	1
7	S-11N-C016-2.0-3.0	↓	↓	↓	↓	X										KW12A-Archive	1
8	S-11N-C017-0-0.5	11/17/11	14:22	SED	DRW	X										KT15	1
9	S-11N-C017-0-0.5-REP	↓	↓	↓	↓	X										KT15-REP	1
10	S-11N-C018-0-0.5	11/17/11	09:33	SED	DRW	X										GG21	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
11/23/11 15:03
B-256

11/23/11 11:00
11/23/11 15:03
B-256

11/23/11 11:00
11/23/11 15:03

11/23/11 11:00
11/23/11 15:03

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 4

WESTBORO, MA
TEL: 508-898-9220MANSFIELD, MA
TEL: 508-822-9300

FAX: 508-898-9193

FAX: 508-822-3288

Project Information

Project Name: New Bedford CU 1Project Location: New Bedford, MAProject #: TO-0010-04Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

Client Information

Client: Woods Hole Group IncAddress: 81 Technology ParkE. Falmouth, MA 02536Phone: 508-540-8080Fax: 508-540-1001Email: DWALSH@WHGRP.COM☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD + data report

PLEASE NOTE • Please homogenize samples before analysis

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB - Long (NCA 18) PCB Homologs										SAMPLE HANDLING Filtration _____ ☐ Done ☐ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)		TOTAL # BOTTLES
		Date	Time															
11	S-11N-CO19-0-0.5	11/17/11	09:58	SED	DRW	X											GF19	1
12	S-11N-CO20-0-0.5	11/17/11	10:19	SED	DRW	X	X										GD22	1
13	S-11N-CO21-0-0.5	11/17/11	10:35	SED	DRW	X											GE24	1
14	S-11N-CO21-0.5-1.0	11/17/11	10:35	SED	DRW	X											GE24 - Archive	1
15	S-11N-CO22-0-0.5	11/17/11	10:48	SED	DRW	X	X										GD28	1
16	S-11N-CO23-0-0.5	11/17/11	11:06	SED	DRW	X	X										KP4	1
17	S-11N-CO23-0.5-1.0	11/17/11	11:06	SED	DRW	X											KP4 - Archive	1
18	S-11N-CO24-0-0.5	11/17/11	11:57	SED	DRW	X											KU3	1
19	S-11N-CO25-0-0.5	11/17/11	12:07	SED	DRW	X											KU4	1
20	S-11N-CO25-0.5-1.0	11/17/11	12:07	SED	DRW	X											KU4 - Archive	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
Y. C. Y.

11/23/11 1100
11/23/11 1503
B-257

Y. C. Y.
Y. C. Y.

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 3 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: *New Bedford OU 1*Project Location: *New Bedford, MA*Project #: *TO-0010-04*Project Manager: *Dave Walsh*

ALPHA Quote #:

Client Information

Client: *Woods Hole Group Inc*Address: *81 Technology Park
E. Ralmouth, MA 02536*Phone: *508-540-1001* ←Fax: *508-540-8080* ←Email: *DWALSH@WHGRP.com*☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

*1 Project specific EDD + data report*PLEASE NOTE • Please Homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments	TOTAL # BOTTLES
		Date	Time														
<i>21</i>	<i>S-11N-C026-0-0.5</i>	<i>11/17/11</i>	<i>12:23</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KW 7</i>	<i>1</i>
<i>22</i>	<i>S-11N-C027-0-0.5</i>	<i>11/17/11</i>	<i>12:43</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KR 8</i>	<i>1</i>
<i>23</i>	<i>S-11N-C028-0-0.5</i>	<i>11/17/11</i>	<i>13:00</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KK 10</i>	<i>1</i>
<i>24</i>	<i>S-11N-C029-0-0.5</i>	<i>11/17/11</i>	<i>13:20</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KO 12</i>	<i>1</i>
<i>25</i>	<i>S-11N-C030-0-0.5</i>	<i>11/17/11</i>	<i>13:35</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>	<i>X</i>									<i>KT 11</i>	<i>1</i>
<i>26</i>	<i>S-11N-C030-0-0.5ms/MSD</i>	<i>11/17/11</i>	<i>13:35</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>	<i>X</i>									<i>KT 11, MSMSD</i>	<i>1</i>
<i>27</i>	<i>S-11N-C030-0.5-1.0</i>	<i>11/17/11</i>	<i>13:35</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KT 11 - Archive</i>	<i>1</i>
<i>28</i>	<i>S-11N-C031-0-0.5</i>	<i>11/17/11</i>	<i>14:10</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KY 15</i>	<i>1</i>
<i>29</i>	<i>S-11N-C031-0.5-1.0</i>	<i>11/17/11</i>	<i>14:10</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KY 15 - Archive</i>	<i>1</i>
<i>29</i>	<i>S-11N-C032-0-0.5</i>	<i>11/17/11</i>	<i>14:41</i>	<i>SED</i>	<i>DRW</i>	<i>X</i>										<i>KH 15</i>	<i>1</i>

Container Type

A A

Preservative

A A

Relinquished By:

Dad [Signature]
Y. [Signature]

Date/Time

11/27/11 1100
11/27/11 1503
B-258

Received By:

[Signature]
[Signature]

Date/Time

11/27/11 1100
11/27/11 1503

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Delivery Order 0010-04

March 2012



MANSFIELD CHAIN OF CUSTODY

PAGE 4 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park Dr
B. Ralmonth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: New Bedford OL 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State (Fed Program) Criteria

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDP and data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	ANALYSIS	PCB Cong (NATA 18)	PCB Homologs	PCB Homologs	TOTAL # BOTTLES
30	S-11N-C033-0-0.5	11/17/11	14:54	SED	DRW	X				1
31	S-11N-C034-0-0.5	11/17/11	15:17	SED	DRW	X				1
32	S-11N-C034-0.5-1.0	11/17/11	15:17	SED	DRW	X				1
33	S-11N-C035-0-0.5	11/22/11	08:54	SED	DRW	X				1
34	S-11N-C035-0.8-1.3	11/22/11	08:59	SED	DRW	X				1
35	S-11N-C035-1.3-1.8	11/22/11	08:59	SED	DRW	X				1
36	S-11N-C036-0.2-0.7	11/22/11	09:19	SED	DRW	X	X			1
37	S-11N-C036-0.2-0.7-REP	11/22/11	09:19	SED	DRW	X	X			1
38	S-11N-C037-0-0.5	11/22/11	09:43	SED	DRW	X				1
39	S-11N-C037-1.0-1.5	11/22/11	09:43	SED	DRW	X				1

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
Preservation _____
☐ Lab to do
☐ Lab to do
(Please specify below)

Sample Specific Comments

KM17

KU20

KU20-Archive

KL20

KL20-Archive

KL20-Archive

KM23

KM23-REP

KQ23

KQ23-Archive

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
Y. C. W.

11/23/11 1100
11/23/11 1503
B-259

Y. C. W.
[Signature]

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Delivery Order 0010-04

March 2012



ANALYTICAL REPORT

Lab Number:	L1203084
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	03/09/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1203084-01	S-11N-C015-1.0-1.5	NEW BEDFORD, MA	11/17/11 15:06
L1203084-02	S-11N-C016-2.0-3.0	NEW BEDFORD, MA	11/17/11 13:56
L1203084-03	S-11N-C031-0.5-1.0	NEW BEDFORD, MA	11/17/11 14:10
L1203084-04	S-11N-C034-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:17

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Please contact Client Services at 800-624-9220 with any questions.

Sample Receipt

Sediment samples were received intact and frozen on November 23, 2011 and placed in frozen storage. Samples were removed on February 24, 2012 and set up for air drying and initial percent solids were performed. On February 27, 2012 the samples were extracted for PCB Congener analysis and analyzed for air-dried percent solids. The samples were placed back into frozen storage on February 27, 2012.

PCB Congeners by GC/ECD

L1203084-02 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Case Narrative (continued)

calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1203084-01-04 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG520370-4 MS recoveries, performed on L1203084-01, were above the acceptance criteria for Cl3-BZ#18 (401%), Cl3-BZ#28 (257%), and Cl6-BZ#153 (141%); however, the associated LCS/LCSD recoveries were within criteria. The results of the sample utilized for the MS/MSD are considered to have a potentially high bias for these compounds.

The WG520370-5 MS/MSD RPDs, performed on L1203084-01, are above the acceptance criteria for Cl3-BZ#18 (32%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Peter Henriksen

Title: Technical Director/Representative

Date: 03/09/12

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-01
Client ID: S-11N-C015-1.0-1.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 17:59
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	9840		ug/kg	1320	--	1000
CI3-BZ#18	11700		ug/kg	1320	--	1000
CI4-BZ#52	12700		ug/kg	1320	--	1000
CI4-BZ#66	2970		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

DBOB	74	30-150
BZ 198	90	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-01
Client ID: S-11N-C015-1.0-1.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 17:59
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	10700		ug/kg	1320	--	1000
CI4-BZ#44	4050		ug/kg	1320	--	1000
CI5-BZ#101	1500		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	74		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 20:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	22400		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

DBOB	79	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 20:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI4-BZ#44	3190		ug/kg	1320	--	1000
CI4-BZ#66	3120		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	79		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02 D
 Client ID: S-11N-C016-2.0-3.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 03/02/12 15:09
 Analyst: JW
 Percent Solids: 98%

Date Collected: 11/17/11 13:56
 Date Received: 11/23/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#18	43000		ug/kg	5300	--	4000
Cl4-BZ#52	63800		ug/kg	5300	--	4000

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02 D
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 15:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#28	31300		ug/kg	5300	--	4000

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-03
Client ID: S-11N-C031-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 14:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1730		ug/kg	268	--	200
CI3-BZ#18	2640		ug/kg	268	--	200
CI4-BZ#52	3800		ug/kg	268	--	200
CI4-BZ#66	885		ug/kg	268	--	200
CI5-BZ#105	ND		ug/kg	268	--	200
CI6-BZ#138	ND		ug/kg	268	--	200
CI7-BZ#187	ND		ug/kg	268	--	200
CI6-BZ#128	ND		ug/kg	268	--	200
CI7-BZ#180	ND		ug/kg	268	--	200
CI7-BZ#170	ND		ug/kg	268	--	200
CI8-BZ#195	ND		ug/kg	268	--	200
CI9-BZ#206	ND		ug/kg	268	--	200
CI10-BZ#209	ND		ug/kg	268	--	200

DBOB	76	30-150
BZ 198	79	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-03
Client ID: S-11N-C031-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 14:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	2820		ug/kg	268	--	200
CI4-BZ#44	1190		ug/kg	268	--	200
CI5-BZ#101	438		ug/kg	268	--	200
CI5-BZ#118	ND		ug/kg	268	--	200
CI6-BZ#153	335		ug/kg	268	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	76		30-150
BZ 198	79		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-04
Client ID: S-11N-C034-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 13:42
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	219		ug/kg	26.2	--	20
CI4-BZ#52	216		ug/kg	26.2	--	20
CI4-BZ#66	ND		ug/kg	26.2	--	20
CI5-BZ#118	ND		ug/kg	26.2	--	20
CI5-BZ#105	ND		ug/kg	26.2	--	20
CI6-BZ#138	ND		ug/kg	26.2	--	20
CI7-BZ#187	ND		ug/kg	26.2	--	20
CI6-BZ#128	ND		ug/kg	26.2	--	20
CI7-BZ#180	ND		ug/kg	26.2	--	20
CI7-BZ#170	ND		ug/kg	26.2	--	20
CI8-BZ#195	ND		ug/kg	26.2	--	20
CI9-BZ#206	ND		ug/kg	26.2	--	20
CI10-BZ#209	ND		ug/kg	26.2	--	20

DBOB	76	30-150
BZ 198	88	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-04
Client ID: S-11N-C034-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 13:42
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	120		ug/kg	26.2	--	20
Cl3-BZ#28	166		ug/kg	26.2	--	20
Cl4-BZ#44	49.1		ug/kg	26.2	--	20
Cl5-BZ#101	ND		ug/kg	26.2	--	20
Cl6-BZ#153	ND		ug/kg	26.2	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	76		30-150
BZ 198	88		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 03/01/12 15:48
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-04 Batch: WG520370-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	100		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 03/01/12 15:48
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-04 Batch: WG520370-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	100		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520370-4 WG520370-5 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5												
CI2-BZ#8	9840	1670	11300	87		11500	99		40-140	2		30
CI3-BZ#18	11700	1670	18400	401	Q	13300	95		40-140	32	Q	30
CI4-BZ#52	12700	1670	14700	120		14200	89		40-140	3		30
CI4-BZ#66	2970	1670	4560	95		4410	86		40-140	3		30
CI5-BZ#118	ND	1670	1970	118		2030	121		40-140	3		30
CI5-BZ#105	ND	1670	1420	85		1360	81		40-140	4		30
CI6-BZ#138	ND	1670	2100	126		2070	123		40-140	1		30
CI7-BZ#187	ND	1670	1720	103		1660	99		40-140	4		30
CI6-BZ#128	ND	1670	1660	99		1600	95		40-140	4		30
CI7-BZ#180	ND	1670	1730	104		1700	101		40-140	2		30
CI7-BZ#170	ND	1670	1590	95		1540	92		40-140	3		30
CI8-BZ#195	ND	1670	1510	90		1460	87		40-140	3		30
CI9-BZ#206	ND	1670	2190	131		1640	97		40-140	29		30
CI10-BZ#209	ND	1670	1500	90		1460	87		40-140	3		30
CI3-BZ#28	10700	1670	15000	257	Q	12600	113		40-140	17		30
CI4-BZ#44	4050	1670	5540	89		5270	73		40-140	5		30
CI5-BZ#101	1500	1670	2900	84		2760	75		40-140	5		30
CI6-BZ#153	ND	1670	2350	141	Q	2240	133		40-140	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520370-4 WG520370-5 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
BZ 198	93		87		30-150
DBOB	75		74		30-150

Lab Control Sample Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3								
CI2-BZ#8	87		91		40-140	4		30
CI3-BZ#18	89		98		40-140	10		30
CI3-BZ#28	93		95		40-140	2		30
CI4-BZ#52	95		94		40-140	1		30
CI4-BZ#44	90		93		40-140	3		30
CI4-BZ#66	90		92		40-140	2		30
CI5-BZ#101	92		96		40-140	4		30
CI5-BZ#118	89		93		40-140	4		30
CI5-BZ#105	83		94		40-140	12		30
CI6-BZ#138	98		96		40-140	2		30
CI7-BZ#187	97		97		40-140	0		30
CI6-BZ#128	93		91		40-140	2		30
CI7-BZ#180	89		90		40-140	1		30
CI7-BZ#170	92		93		40-140	1		30
CI8-BZ#195	91		91		40-140	0		30
CI9-BZ#206	98		100		40-140	2		30
CI10-BZ#209	91		91		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	92		94		30-150
DBOB	81		86		30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3

Cl6-BZ#153	87		90		40-140	3		30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	92		94		30-150
DBOB	81		86		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

SAMPLE RESULTS

Lab ID: L1203084-01

Client ID: S-11N-C015-1.0-1.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.3		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	46.4		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

SAMPLE RESULTS

Lab ID: L1203084-02

Client ID: S-11N-C016-2.0-3.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:56

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	39.7		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS****Lab ID:** L1203084-03**Date Collected:** 11/17/11 14:10**Client ID:** S-11N-C031-0.5-1.0**Date Received:** 11/23/11**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.3		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	42.1		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1203084**Report Date:** 03/09/12**SAMPLE RESULTS****Lab ID:** L1203084-04**Client ID:** S-11N-C034-0.5-1.0**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/17/11 15:17**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.6		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	43.7		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Lab Duplicate Analysis
Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520326-1 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5						
Solids, Total	98.3	98.3	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1203084-01A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-02A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-03A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-04A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LA000299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A, 7470A, 7471B, 9040B, 9045C, 3050B, 3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program Criteria

Turn-Around Time

Project Information

Project Name: New Bedford OU 1

Project Location: New Bedford, MA

Project #: TO-0010-04

Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Client Information

Client: Woods Hole Group Inc

Address: 81 Technology Park

B. Falmouth, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EDD + Data report

PLEASE NOTE *Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS										SAMPLE HANDLING		TOTAL # BOTTLES
PCB-Cong (NMAA-1F) PCB-Homologs										Filtration		
										☐ Done		
										☐ Not needed		
										☐ Lab to do		
										Preservation		
										☐ Lab to do		
										(Please specify below)		
Sample Specific Comments												
X X										KQ19		1
X										KQ19		1
X										KQ19-Archive		1
X X										KW12A		1
X X										KW12A-Archive		1
X										KW12A		1
X										KW12A-Archive		1
X										KT15		1
X										KT15-REP		1
X										GG21		1

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
1	S-11N-C015-0-0.5	11/17/11	15:06	SED	DRW
2	S-11N-C015-0.5-1.0	1	1	1	1
-01	S-11N-C015-1.0-1.5	1	1	1	1
4	S-11N-C016-0-0.5	11/17/11	13:56	SED	DRW
5	S-11N-C016-0.5-1.0	1	1	1	1
6	S-11N-C016-1.0-2.0	1	1	1	1
-02	S-11N-C016-2.0-3.0	1	1	1	1
8	S-11N-C017-0-0.5	11/17/11	14:22	SED	DRW
9	S-11N-C017-0-0.5-REP	1	1	1	1
10	S-11N-C018-0-0.5	11/17/11	09:33	SED	DRW

Container Type A A

Preservative A A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

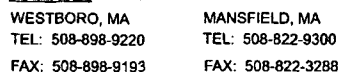
Date/Time

Dave Walsh

11/23/11 1100
11/23/11 1503

YH

11/27/11 1100
11/23/11 1503



PAGE 3 OF 4

ALPHA Job #: ~~4119752~~

~~L1203084~~

~~4119752~~

PLEASE NOTE • Please Homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Due: _____ Time: _____

State/Fed Program	Criteria
-------------------	----------

☐ Same as Client info PO #:

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 101-09 (rev. 27-SEP-10)

Date/Time

Dad Hank
Y. C. W.

11/23/11 1100
11/23/11 1503

Received By: Y. S. K.

11/23/1 1100
11/23/1 1502

Delivery Order 0010-04
March 2012

B-296

Sediment Monitoring Summary Report
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**APPENDIX C. NEW ENVIRONMENTAL HORIZONS, INC. DATA
VALIDATION REPORTS (ON CD)**

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APPENDIX C. NEW ENVIRONMENTAL HORIZONS, INC. DATA VALIDATION REPORTS

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Data Validation Report

EPA Region I Tier I+ NOAA Congeners by 8082

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119291

Date(s) of Collection: November 15, 2011

**Number / Type
Samples & Analyses** 18 post-dredge sediment core samples for 18 NOAA Congeners by EPA
SW-846 Method 8082

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Congeners and was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA*, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

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Phone: (908) 874-5686 ♦ (781) 643-4294
Email: nrothman_neh@comcast.net ♦ s.chapnick@comcast.net
www.neh-inc.com

The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C001-0-0.5	L1119291-01	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C002-0-0.5	L1119291-02	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C002-0.5-1.0	L1119291-03	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C003-0-0.5	L1119291-04	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C004-0-0.5	L1119291-05	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C005-0-0.5	L1119291-06	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C006-0-0.5	L1119291-07	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C007-0-0.5	L1119291-08	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C008-0-0.5	L1119291-09	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C009-0-0.5	L1119291-10	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C010-0-0.5	L1119291-11	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - continued

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C010-0.5-1.0	L1119291-12	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C011-0-0.5	L1119291-13	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C012-0-0.5	L1119291-14	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C013-0-0.5	L1119291-15	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C013-0.5-1.0	L1119291-16	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C014-0-0.5	L1119291-17	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C014-0.5-1.0	L1119291-18	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Analytical method references:

18 NOAA Congeners: *Polychlorinated Biphenyls (PCBs) by Gas Chromatography* in EPA's Test Methods for Evaluating Solid Waste, Physical Chemical Methods, SW-846, Third Edition, Method 8082, Rev. 1, February 2007.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of 18 NOAA PCB Congener sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*

- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of 18 NOAA PCB Congeners, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 15, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. The post-dredge sediment core samples were received intact frozen on November 17, 2011. Aliquots of the “as received” samples were analyzed for percent solids. All samples had percent solids content of 33 to 55%; therefore, these sediment core samples were air-dried, as required by the QAPP, prior to Congener analysis. The laboratory maintained the same Lab Sample ID for both the “as received” and “air-dried” sediment aliquots.

After air-drying, the percent solids content for all samples was greater than 96%. These air-dried samples were frozen until extraction of the samples on November 28, 2011 and November 29, 2011. As a consequence of the freezing of the aliquots by WHG, these samples were considered to have been extracted and analyzed within holding time.

Accuracy

The Method Blanks were non-detect for all Congeners; therefore, blank action to negate sample data was not required. There was no Equipment Blank required to be collected these core samples.

All samples were analyzed at dilutions (DF=2 to DF=5000) to report Congeners within accurate calibration range. The samples were spiked with surrogates at concentrations that were appropriate for the expected “low level” sample concentrations (see QAPP 2011 for further discussion of surrogate spiking solution levels). Three samples were analyzed at $DF \leq 20$ and reported surrogates and Congeners from a single analysis. Five other samples were analyzed initially with low dilutions and then reanalyzed at higher dilutions necessary to report all Congeners within the calibration range. For

these eight samples and all QC, surrogate recoveries were within criteria; therefore, no action was required. The remaining 10 samples were only analyzed at higher dilutions and reported 0% recovery of the surrogates because the level of the surrogate spike was too low to be able to be detected in the dilution analyses. No action was taken other than to note that these 10 samples do not have surrogate recovery information applicable to the Congener concentrations measured in these samples.

Two sets of LCS/LCSDs were associated with the samples in this SDG. LCS/LCSD recoveries were acceptable for all 18 NOAA Congeners except 2,2',5,5'-Tetrachlorobiphenyl (BZ 52), which was recovered high in the LCS/LCSD associated with the analysis of sample S-11N-C010-0.5-1.0. The result for 2,2',5,5'-Tetrachlorobiphenyl was estimated (J) in S-11N-C010-0.5-1.0 with indeterminate bias, due to other QC issues affecting the result, as shown in Table 2.

MS/MSD was performed on sample S-11N-C006-0-0.5; however, no MS/MSD results were reported for these QC samples due to the high concentrations of Congeners in the unspiked (native) sample, which necessitated high dilutions for analysis (i.e., the spikes were diluted-out). No action was taken other than to note that MS/MSD recovery information was not obtained with this data set.

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were less than to over 1300 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

Precision

LCS/LCSD precision was acceptable for all 18 NOAA Congeners except for 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) associated with the analysis of sample S-11N-C010-0.5-1.0. The result for 2,2',5,5'-Tetrachlorobiphenyl was estimated (J) in S-11N-C010-0.5-1.0 with indeterminate bias as a consequence of the observed imprecision, as listed in Table 2. These results indicate generally acceptable precision in the laboratory analysis of these samples.

As stated above, MS/MSD precision could not be evaluated for this data set due to the high levels of Congeners in the unspiked sample S-11N-C006-0-0.5.

There were no field duplicate (FD) samples associated with the samples in this SDG. Therefore, precision and representativeness from sample collection thorough analysis could not be evaluated.

Sensitivity & Reporting

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were 27 to over 1000 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C010-0.5-1.0	2,2',5,5'-Tetrachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2:

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate



Data Validation Report

EPA Region I Tier I+ PCB Homologues by 8270C

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119294

Date(s) of Collection: September 15, 2010 to November 3, 2010

**Number / Type
Samples & Analyses** 15 sediment samples for PCB Homologues by EPA SW-846 Method
8270C

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Homologues was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0*, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

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The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C002-0-0.5	L1119294-01	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C003-0-0.5	L1119294-02	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C006-0-0.5	L1119294-03	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample [used for MS/MSD]
S-11N-C007-0-0.5	L1119294-04	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C010-0-0.5	L1119294-05	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C013-0-0.5	L1119294-06	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C014-0-0.5	L1119294-07	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C015-0-0.5	L1119294-08	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C016-0-0.5	L1119294-09	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C020-0-0.5	L1119294-11	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C022-0-0.5	L1119294-12	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C023-0-0.5	L1119294-13	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - continued

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C030-0-0.5	L1119294-14	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C036-0.2-0.7	L1119294-15	11/22/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C036-0.2-0.7-REP	L1119294-16	11/22/11	Air-dried Sediment	PCB Homologues	Field Duplicate of S-11N-C036-0.2-0.7

Analytical method references:

209 Congeners & Homologues: *Determination of PCB Homologs, Individual Congeners, and Pesticides by Gas Chromatography/Mass Spectrometry in the Select Ion Monitoring (SIM) Mode (EPA 680 & 8270C)*, Alpha SOP O-015, Rev. 2, June 19, 2006.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of PCB Homologue sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*
- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of PCB Homologues, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 15th and 17th 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener and Homologue analyses. The 15 samples in this SDG were previously analyzed for 18 NOAA PCB Congeners (see SDGs L1119291 and L1119752 for sample receipt and analysis details). These sediment samples were chosen by WHG for PCB Homologue analysis to compare Total PCBs for each sample derived using 18 NOAA Congeners to Total PCBs calculated using the sum of the PCB Homologues. The samples were previously air-dried to achieve percent solids of greater than 96% (since the “as received” percent solids were less than 50%). These air-dried samples were frozen until extraction of the samples for Homologues on December 12, 2011. As a consequence of the freezing of the aliquots by WHG, these samples were considered to have been extracted and analyzed within holding time.

Accuracy

The Method Blank reported detected results for several Homologues; however, the levels reported were below the concentration of these Homologues in the post dredge samples; therefore, blank action to negate results was not required. There was no Equipment Blank required to be collected these sediment samples.

Surrogate recoveries in these post dredge core samples were acceptable except for eight samples that required analytical dilutions to be able to report the Homologues within the instrument calibration range. For these eight samples, 0% recovery of the surrogates was reported because the level of the surrogate spike was too low to be able to be detected in the dilution analyses (dilutions were all > 1000). No action was taken other than to note that these eight samples do not have surrogate recovery information applicable to the Homologue concentrations measured.

Sixty-four representative Congeners were spiked into the LCS/LCSD and MS/MSD, which is consistent with the analysis of PCB Homologues. All spiked Congeners were recovered within criteria in the LCS/LCSD indicating acceptable accuracy for PCB Homologue analysis. MS/MSD analysis was conducted on sample S-11N-C006-0-0.5. The spike level for many Congeners was not applicable compared to the level of the Congener in the unspiked sample (i.e., the sample concentration was greater than four times the MS spike level). Recoveries were considered acceptable for those Congeners spiked at an appropriate level indicating acceptable accuracy for PCB Homologue analysis in the site matrix.

Precision

LCS/LCSD and MS/MSD precision results were acceptable for all 64 spiked Congeners indicating acceptable precision in the laboratory analysis and the site matrix for these samples.

The Field Duplicate pair reported in this SDG was S-11N-C036-0.2-0.7 and S-11N-C036-0.2-0.7-REP. FD precision was unacceptable for seven of the ten PCB Homologues. Total Monochlorobiphenyls (MonoCB), Total Dichlorobiphenyls (DiCB), Total Trichlorobiphenyls (TriCB), Total Tetrachlorobiphenyls (TetraCB), Total Pentachlorobiphenyls (PentaCB), Total Hexachlorobiphenyls (HexaCB), and Total Heptachlorobiphenyls (HeptaCB) were estimated (J) with indeterminate bias in this FD pair due to the observed imprecision, as shown in Table 2. These results are an indication of variable precision and possible sample heterogeneity, which may have affected the results reported for the PCB Homologues in the post dredge core samples.

Sensitivity & Reporting

All samples were analyzed at a dilution (dilution factor = 10 to 1000); therefore, the RLs were increased as a consequence of the dilutions made. However, the sum of all detected Homologue results in these samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	Total MonoCB Total DiCB Total TriCB Total TetraCB Total PentaCB Total HexaCB Total HeptaCB	DJ	I	FD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

*Abbreviations used in Table 2:
FD = Field Duplicate*



Data Validation Report

EPA Region I Tier I+ NOAA Congeners by 8082

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119752

Date(s) of Collection: November 17, 2011 and November 22, 2011

**Number / Type
Samples & Analyses** 27 post-dredge sediment core samples for 18 NOAA Congeners by EPA
SW-846 Method 8082

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Congeners and was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0*, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

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The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
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I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C015-0-0.5	L1119752-01	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C015-0.5-1.0	L1119752-02	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C016-0-0.5	L1119752-04	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C016-1.0-2.0	L1119752-06	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C017-0-0.5	L1119752-08	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C017-0-0.5-REP	L1119752-09	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Duplicate of S-11N-C017-0-0.5
S-11N-C018-0-0.5	L1119752-10	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C019-0-0.5	L1119752-11	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C020-0-0.5	L1119752-12	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C021-0-0.5	L1119752-13	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C022-0-0.5	L1119752-15	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - continued

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C023-0-0.5	L1119752-16	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C024-0-0.5	L1119752-18	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C025-0-0.5	L1119752-19	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C026-0-0.5	L1119752-21	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C027-0-0.5	L1119752-22	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C028-0-0.5	L1119752-23	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C029-0-0.5	L1119752-24	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C030-0-0.5	L1119752-25	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C031-0-0.5	L1119752-27	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C032-0-0.5	L1119752-29	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C033-0-0.5	L1119752-30	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C034-0-0.5	L1119752-31	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C035-0-0.5	L1119752-33	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C036-0.2-0.7	L1119752-36	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C036-0.2-0.7-REP	L1119752-37	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Duplicate of S-11N-C036-0.2-0.7
S-11N-C037-0-0.5	L1119752-38	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Analytical method references:

18 NOAA Congeners: *Polychlorinated Biphenyls (PCBs) by Gas Chromatography* in EPA's Test Methods for Evaluating Solid Waste, Physical Chemical Methods, SW-846, Third Edition, Method 8082, Rev. 1, February 2007.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of 18 NOAA PCB Congener sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*
- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of 18 NOAA PCB Congeners, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 17, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. The post-dredge sediment core samples were received intact frozen on November 23, 2011 and were maintained frozen at the laboratory until

November 29, 2011, at which time aliquots of the “as received” samples were analyzed for percent solids. All samples had percent solids content of 29 to 49%; therefore, these sediment core samples were air-dried, as required by the QAPP, prior to Congener analysis. The laboratory maintained the same Lab Sample ID for both the “as received” and “air-dried” sediment aliquots.

After air-drying, the percent solids content for all samples was greater than 96%. These air-dried samples were again frozen until extraction of the samples on December 6, 2011 through December 8, 2011. As a consequence of the freezing of the aliquots by WHG and Alpha, these samples were considered to have been extracted and analyzed within holding time.

Twelve additional sediment core samples were received and “Archived” at the laboratory, as requested on the COC.

Accuracy

The Method Blanks were non-detect for all Congeners; therefore, blank action to negate sample data was not required. There was no Equipment Blank required to be collected these core samples.

Based on the high levels of PCB Congeners observed in the previous SDG L1119291 for these post-dredge cores, the laboratory used a “high level” surrogate spike so the concentrations were appropriate for the expected sample concentrations (see QAPP 2011 for further discussion of surrogate spiking solution levels). Therefore, appropriate surrogate spike recoveries could be evaluated for accuracy in the sample matrix. All surrogate recoveries met acceptance criteria for the samples in this SDG.

Three sets of LCS/LCSDs were performed with the samples in this SDG. For all three, the recoveries for various Congeners were high compared to criteria resulting in estimation (J) of 131 results with possible high bias, unless other issues affected the results. Table 2 lists the samples and Congeners affected by LCS/LCSD accuracy and details are given in the DV Checklist. These results indicate variable laboratory accuracy for the method of analysis in the absence of the site matrix.

MS/MSD was performed on samples S-11N-C015-0.5-1.0 and S-11N-C030-0-0.5; however, no MS/MSD results were reported for these QC samples due to the high concentration of Congeners in the unspiked (native) samples, which required high dilutions for analysis (i.e., the spikes were diluted-out). No action was taken other than to note that MS/MSD recovery information was not obtained with this data set.

Precision

LCS/LCSD precision was unacceptable for 128 results, as listed in Table 2 and explained further in the DV Checklist. The affected results were estimated (J or UJ) with indeterminate bias. These results indicate variable laboratory precision for the method of analysis in the absence of the site matrix.

As stated above, MS/MSD precision could not be evaluated for this data set due to the high levels of Congeners in the unspiked samples S-11N-C015-0.5-1.0 and S-11N-C030-0-0.5.

There were two Field Duplicate pairs reported in this SDG: S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP and S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP. FD precision was acceptable for all 18 NOAA Congeners in the FD pair S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP except for 2,2',5-Trichlorobiphenyl (BZ#18), which reported unacceptable FD precision (RPD > 50%). Therefore, the

results for 2,2',5-Trichlorobiphenyl (BZ#18) in this FD pair were estimated (J) with indeterminate bias as listed in Table 2. FD precision was acceptable for all 18 NOAA Congeners in the FD pair of S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP except for 2,4-Dichlorobiphenyl (BZ#8), 2,2',5-Trichlorobiphenyl (BZ#18), 2,4,4'-Trichlorobiphenyl (BZ#28), 2,2',3,5'-Tetrachlorobiphenyl (BZ#44), 2,2',5,5'-Tetrachlorobiphenyl (BZ#52), and 2,3',4,4'-Tetrachlorobiphenyl (BZ#66). Therefore, the results for these six Congeners in this FD pair were estimated (J) due to FD imprecision with indeterminate bias as listed in Table 2. These FD results are an indication of variable precision and possible sample heterogeneity, which may have affected the results reported for the 18 NOAA PCB Congeners in these post dredge core samples.

Sensitivity & Reporting

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were 2 to over 5300 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	2,4'-Dichlorobiphenyl 2,2',5-Trichlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,3',4,4'-Tetrachlorobiphenyl	DJ	I	FD imprecision
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	2,4,4'-Trichlorobiphenyl	DJ	I	High LCS recovery + FD imprecision
S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP	2,2',5-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision + FD imprecision
S-11N-C030-0-0.5 S-11N-C031-0-0.5 S-11N-C032-0-0.5 S-11N-C033-0-0.5 S-11N-C034-0-0.5 S-11N-C037-0-0.5	2,4,4'-Trichlorobiphenyl	DJ	H	High LCS recovery
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C016-1.0-2.0 S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP S-11N-C018-0-0.5 S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C022-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5 S-11N-C029-0-0.5	2,4'-Dichlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,3',4,4'-Tetrachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5	2,2',4,5,5'-Pentachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Table 2. Summary of Data Validation Actions - continued

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C016-1.0-2.0 S-11N-C018-0-0.5 S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C022-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5 S-11N-C029-0-0.5	2,2',5-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision
S-11N-C016-1.0-2.0 S-11N-C018-0-0.5 S-11N-C022-0-0.5 S-11N-C029-0-0.5	2,2',4,5,5'-Pentachlorobiphenyl	DUJ	I	LCS/LCSD imprecision
S-11N-C035-0-0.5	2,2',5-Trichlorobiphenyl	DJ	I	LCS/LCSD imprecision
S-11N-C035-0-0.5	2,4,4'-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2:

FD = Field Duplicate

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate



ANALYTICAL REPORT

Lab Number:	L1112348
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NBH ENVIRONMENTAL MONITORING
Project Number:	TO-0010-03
Report Date:	09/06/11

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Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1112348-01	S-10O-C047-2.0-3.0	NEW BEDFORD, MA	10/25/11 09:17
L1112348-02	S-10O-C047-3.0-3.6	NEW BEDFORD, MA	10/25/11 09:17
L1112348-03	S-10O-C051-2.0-3.0	NEW BEDFORD, MA	10/25/11 09:16
L1112348-04	S-10O-C053-2.0-3.2	NEW BEDFORD, MA	10/25/11 09:55
L1112348-05	S-10O-C071-2.0-3.0	NEW BEDFORD, MA	10/28/11 10:53
L1112348-06	S-10O-C071-3.0-3.9	NEW BEDFORD, MA	10/28/11 10:53
L1112348-07	S-10N-C005-2.0-3.0	NEW BEDFORD, MA	11/03/11 15:10
L1112348-08	S-10N-C005-3.0-4.0	NEW BEDFORD, MA	11/03/11 15:10

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact on November 23, 2010 and placed in frozen storage immediately. Samples were removed from frozen storage on August 17, 2011 and aliquots of the samples were analyzed for percent solids. Based on the results of the percent solids, samples underwent air drying and consequently extracted for PCB Congener and 8270 analyses and analyze for air-dried percent solids.

Semi-Volatile Organics by 8270

The surrogate recovery for L1112348-01 is outside the individual acceptance criteria for 2,4,6-Tribromophenol (28%), but within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Case Narrative (continued)

Samples L1112348-01, 02, 03, 04, 05, 06, 07 and 08 have elevated detection limits due to the dilution required by the sample matrix.

The surrogate recovery for L1112348-06 is outside the individual acceptance criteria for 2,4,6-Tribromophenol (29%) , but within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

L1112348-07 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

The WG486732-1 Method Blank, associated with L1112348-01,-02, -03, -05, -06, -07, and -08, has concentrations above the reporting limits for Acetophenone. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 5x the blank concentration for this analyte.

The WG484970-2/-3 LCS/LCSD recoveries, associated with L1112348-01,L1112348-02,L1112348-03,L1112348-05,L1112348-06,L1112348-07,L1112348-08, are outside the individual acceptance criteria for several compounds, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for 2,4-Dinitrophenol (10%)/(16%) and Dibenz(a,h)anthracene (LCS 37%).

The WG484970-3 LCS/LCSD recoveries, associated with L1112348-01,L1112348-02,L1112348-03,L1112348-05,L1112348-06,L1112348-07,L1112348-08, are outside the individual acceptance criteria for one compound, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for 2,4-dinitrophenol(16%).

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Case Narrative (continued)

The WG486732-2/-3 LCS/LCSD recoveries, associated with L1112348-04, are below the individual acceptance criteria for 2,4-Dinitrophenol (20%)/(4%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the associated WG486732-3 LCS/LCSD RPD(s) are above the acceptance criteria for 2,4-Dinitrophenol (136%).

The WG484970-4/-5 MS/MSD recoveries, performed on L1112348-07, were outside the acceptance criteria for several compounds but within overall method allowances. The surrogate recoveries for WG484970-4/-5 are outside the individual acceptance criteria for 2,4,6-Tribromophenol (28%)/(29%) , but within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potential bias.

PCB Congeners by 8082

The PCB Congener analysis was performed utilizing dual column confirmation with the higher of the two values reported. Technical judgment was employed in the case of an observed interference. In each case that interference was observed on one column, the value from the opposite column was reported regardless of whether it was the higher or lower value.

The surrogate recoveries for L1112348-01 are outside the acceptance criteria for BZ 198(220%); however, the sample was not re-extracted due to coelution with obvious interferences.

The surrogates were not recovered for L1112348-03, -04 and -05 due to the dilution required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 09/06/11

ORGANICS

SEMIVOLATILES

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-01
Client ID: S-100-C047-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 13:57
Analyst: AW
Percent Solids: 92%

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	796	--	1
Phenol	ND		ug/kg	796	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	796	--	1
2-Chlorophenol	ND		ug/kg	796	--	1
1,3-Dichlorobenzene	ND		ug/kg	796	--	1
1,4-Dichlorobenzene	ND		ug/kg	796	--	1
1,2-Dichlorobenzene	ND		ug/kg	796	--	1
2-Methylphenol	ND		ug/kg	796	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	796	--	1
Acetophenone	1570	B	ug/kg	796	--	1
4-Methylphenol	ND		ug/kg	796	--	1
Hexachloroethane	ND		ug/kg	796	--	1
Nitrobenzene	ND		ug/kg	796	--	1
Isophorone	ND		ug/kg	796	--	1
2-Nitrophenol	ND		ug/kg	796	--	1
2,4-Dimethylphenol	ND		ug/kg	796	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	796	--	1
2,4-Dichlorophenol	ND		ug/kg	796	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	796	--	1
Naphthalene	1030		ug/kg	796	--	1
4-Chloroaniline	ND		ug/kg	796	--	1
Hexachlorobutadiene	ND		ug/kg	796	--	1
2-Methylnaphthalene	ND		ug/kg	796	--	1
2,4,6-Trichlorophenol	ND		ug/kg	796	--	1
2,4,5-Trichlorophenol	ND		ug/kg	796	--	1
2-Chloronaphthalene	ND		ug/kg	796	--	1
Dimethylphthalate	ND		ug/kg	796	--	1
Acenaphthylene	ND		ug/kg	796	--	1
2,6-Dinitrotoluene	ND		ug/kg	796	--	1
Acenaphthene	ND		ug/kg	796	--	1
2,4-Dinitrophenol	ND		ug/kg	3180	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-01

Date Collected: 10/25/11 09:17

Client ID: S-100-C047-2.0-3.0

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1590	--	1
Dibenzofuran	ND		ug/kg	796	--	1
2,4-Dinitrotoluene	ND		ug/kg	796	--	1
Diethylphthalate	ND		ug/kg	796	--	1
Azobenzene	ND		ug/kg	796	--	1
Fluorene	1130		ug/kg	796	--	1
4-Bromophenyl-phenylether	ND		ug/kg	796	--	1
Hexachlorobenzene	ND		ug/kg	796	--	1
Pentachlorophenol	ND		ug/kg	3180	--	1
Phenanthrene	7770		ug/kg	796	--	1
Anthracene	1720		ug/kg	796	--	1
Di-n-butylphthalate	ND		ug/kg	796	--	1
Fluoranthene	11800		ug/kg	796	--	1
Pyrene	12100		ug/kg	796	--	1
Butylbenzylphthalate	ND		ug/kg	796	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	796	--	1
Benz(a)anthracene	7110		ug/kg	796	--	1
Chrysene	7810		ug/kg	796	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	796	--	1
Di-n-octylphthalate	ND		ug/kg	796	--	1
Benzo(b)fluoranthene	7360		ug/kg	796	--	1
Benzo(k)fluoranthene	3020		ug/kg	796	--	1
Benzo(a)pyrene	5330		ug/kg	796	--	1
Indeno(1,2,3-cd)Pyrene	4030		ug/kg	796	--	1
Dibenz(a,h)anthracene	1310		ug/kg	796	--	1
Benzo(ghi)perylene	3760		ug/kg	796	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	70		30-130
Phenol-d5	54		30-130
Nitrobenzene-d5	70		30-130
2-Fluorophenol	36		30-130
2,4,6-Tribromophenol	28	Q	30-130
Terphenyl-d14	76		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-02
Client ID: S-100-C047-3.0-3.6
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 14:47
Analyst: AW
Percent Solids: 89%

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	848	--	1
Phenol	ND		ug/kg	848	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	848	--	1
2-Chlorophenol	ND		ug/kg	848	--	1
1,3-Dichlorobenzene	ND		ug/kg	848	--	1
1,4-Dichlorobenzene	ND		ug/kg	848	--	1
1,2-Dichlorobenzene	ND		ug/kg	848	--	1
2-Methylphenol	ND		ug/kg	848	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	848	--	1
Acetophenone	1810		ug/kg	848	--	1
4-Methylphenol	ND		ug/kg	848	--	1
Hexachloroethane	ND		ug/kg	848	--	1
Nitrobenzene	ND		ug/kg	848	--	1
Isophorone	ND		ug/kg	848	--	1
2-Nitrophenol	ND		ug/kg	848	--	1
2,4-Dimethylphenol	ND		ug/kg	848	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	848	--	1
2,4-Dichlorophenol	ND		ug/kg	848	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	848	--	1
Naphthalene	864		ug/kg	848	--	1
4-Chloroaniline	ND		ug/kg	848	--	1
Hexachlorobutadiene	ND		ug/kg	848	--	1
2-Methylnaphthalene	ND		ug/kg	848	--	1
2,4,6-Trichlorophenol	ND		ug/kg	848	--	1
2,4,5-Trichlorophenol	ND		ug/kg	848	--	1
2-Chloronaphthalene	ND		ug/kg	848	--	1
Dimethylphthalate	ND		ug/kg	848	--	1
Acenaphthylene	853		ug/kg	848	--	1
2,6-Dinitrotoluene	ND		ug/kg	848	--	1
Acenaphthene	ND		ug/kg	848	--	1
2,4-Dinitrophenol	ND		ug/kg	3390	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-02

Date Collected: 10/25/11 09:17

Client ID: S-100-C047-3.0-3.6

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1700	--	1
Dibenzofuran	ND		ug/kg	848	--	1
2,4-Dinitrotoluene	ND		ug/kg	848	--	1
Diethylphthalate	ND		ug/kg	848	--	1
Azobenzene	ND		ug/kg	848	--	1
Fluorene	1360		ug/kg	848	--	1
4-Bromophenyl-phenylether	ND		ug/kg	848	--	1
Hexachlorobenzene	ND		ug/kg	848	--	1
Pentachlorophenol	ND		ug/kg	3390	--	1
Phenanthrene	8900		ug/kg	848	--	1
Anthracene	2260		ug/kg	848	--	1
Di-n-butylphthalate	ND		ug/kg	848	--	1
Fluoranthene	12700		ug/kg	848	--	1
Pyrene	13400		ug/kg	848	--	1
Butylbenzylphthalate	ND		ug/kg	848	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	848	--	1
Benz(a)anthracene	7690		ug/kg	848	--	1
Chrysene	8650		ug/kg	848	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	848	--	1
Di-n-octylphthalate	ND		ug/kg	848	--	1
Benzo(b)fluoranthene	6450		ug/kg	848	--	1
Benzo(k)fluoranthene	4320		ug/kg	848	--	1
Benzo(a)pyrene	5880		ug/kg	848	--	1
Indeno(1,2,3-cd)Pyrene	4570		ug/kg	848	--	1
Dibenz(a,h)anthracene	1430		ug/kg	848	--	1
Benzo(ghi)perylene	4270		ug/kg	848	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	67		30-130
Phenol-d5	62		30-130
Nitrobenzene-d5	70		30-130
2-Fluorophenol	53		30-130
2,4,6-Tribromophenol	48		30-130
Terphenyl-d14	74		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-03
Client ID: S-100-C051-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 15:37
Analyst: AW
Percent Solids: 96%

Date Collected: 10/25/11 09:16
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	787	--	1
Phenol	ND		ug/kg	787	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	787	--	1
2-Chlorophenol	ND		ug/kg	787	--	1
1,3-Dichlorobenzene	ND		ug/kg	787	--	1
1,4-Dichlorobenzene	1150		ug/kg	787	--	1
1,2-Dichlorobenzene	ND		ug/kg	787	--	1
2-Methylphenol	ND		ug/kg	787	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	787	--	1
Acetophenone	1380	B	ug/kg	787	--	1
4-Methylphenol	ND		ug/kg	787	--	1
Hexachloroethane	ND		ug/kg	787	--	1
Nitrobenzene	ND		ug/kg	787	--	1
Isophorone	ND		ug/kg	787	--	1
2-Nitrophenol	ND		ug/kg	787	--	1
2,4-Dimethylphenol	ND		ug/kg	787	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	787	--	1
2,4-Dichlorophenol	ND		ug/kg	787	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	787	--	1
Naphthalene	1030		ug/kg	787	--	1
4-Chloroaniline	ND		ug/kg	787	--	1
Hexachlorobutadiene	ND		ug/kg	787	--	1
2-Methylnaphthalene	ND		ug/kg	787	--	1
2,4,6-Trichlorophenol	ND		ug/kg	787	--	1
2,4,5-Trichlorophenol	ND		ug/kg	787	--	1
2-Chloronaphthalene	ND		ug/kg	787	--	1
Dimethylphthalate	ND		ug/kg	787	--	1
Acenaphthylene	ND		ug/kg	787	--	1
2,6-Dinitrotoluene	ND		ug/kg	787	--	1
Acenaphthene	ND		ug/kg	787	--	1
2,4-Dinitrophenol	ND		ug/kg	3150	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-03

Date Collected: 10/25/11 09:16

Client ID: S-100-C051-2.0-3.0

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1570	--	1
Dibenzofuran	ND		ug/kg	787	--	1
2,4-Dinitrotoluene	ND		ug/kg	787	--	1
Diethylphthalate	ND		ug/kg	787	--	1
Azobenzene	ND		ug/kg	787	--	1
Fluorene	ND		ug/kg	787	--	1
4-Bromophenyl-phenylether	ND		ug/kg	787	--	1
Hexachlorobenzene	ND		ug/kg	787	--	1
Pentachlorophenol	ND		ug/kg	3150	--	1
Phenanthrene	7600		ug/kg	787	--	1
Anthracene	1440		ug/kg	787	--	1
Di-n-butylphthalate	ND		ug/kg	787	--	1
Fluoranthene	10400		ug/kg	787	--	1
Pyrene	9480		ug/kg	787	--	1
Butylbenzylphthalate	ND		ug/kg	787	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	787	--	1
Benz(a)anthracene	5200		ug/kg	787	--	1
Chrysene	6490		ug/kg	787	--	1
Bis(2-Ethylhexyl)phthalate	37800		ug/kg	787	--	1
Di-n-octylphthalate	ND		ug/kg	787	--	1
Benzo(b)fluoranthene	4860		ug/kg	787	--	1
Benzo(k)fluoranthene	3510		ug/kg	787	--	1
Benzo(a)pyrene	4480		ug/kg	787	--	1
Indeno(1,2,3-cd)Pyrene	3010		ug/kg	787	--	1
Dibenz(a,h)anthracene	965		ug/kg	787	--	1
Benzo(ghi)perylene	2740		ug/kg	787	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	59		30-130
Phenol-d5	52		30-130
Nitrobenzene-d5	60		30-130
2-Fluorophenol	41		30-130
2,4,6-Tribromophenol	37		30-130
Terphenyl-d14	70		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-04
Client ID: S-100-C053-2.0-3.2
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/31/11 20:24
Analyst: AW
Percent Solids: 94%

Date Collected: 10/25/11 09:55
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/26/11 16:11
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/29/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	809	--	4
Phenol	ND		ug/kg	809	--	4
Bis(2-chloroethyl)ether	ND		ug/kg	809	--	4
2-Chlorophenol	ND		ug/kg	809	--	4
1,3-Dichlorobenzene	ND		ug/kg	809	--	4
1,4-Dichlorobenzene	1010		ug/kg	809	--	4
1,2-Dichlorobenzene	ND		ug/kg	809	--	4
2-Methylphenol	ND		ug/kg	809	--	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	809	--	4
Acetophenone	1290		ug/kg	809	--	4
4-Methylphenol	ND		ug/kg	809	--	4
Hexachloroethane	ND		ug/kg	809	--	4
Nitrobenzene	ND		ug/kg	809	--	4
Isophorone	ND		ug/kg	809	--	4
2-Nitrophenol	ND		ug/kg	809	--	4
2,4-Dimethylphenol	ND		ug/kg	809	--	4
Bis(2-chloroethoxy)methane	ND		ug/kg	809	--	4
2,4-Dichlorophenol	ND		ug/kg	809	--	4
1,2,4-Trichlorobenzene	ND		ug/kg	809	--	4
Naphthalene	1630		ug/kg	809	--	4
4-Chloroaniline	ND		ug/kg	809	--	4
Hexachlorobutadiene	ND		ug/kg	809	--	4
2-Methylnaphthalene	ND		ug/kg	809	--	4
2,4,6-Trichlorophenol	ND		ug/kg	809	--	4
2,4,5-Trichlorophenol	ND		ug/kg	809	--	4
2-Chloronaphthalene	ND		ug/kg	809	--	4
Dimethylphthalate	ND		ug/kg	809	--	4
Acenaphthylene	ND		ug/kg	809	--	4
2,6-Dinitrotoluene	ND		ug/kg	809	--	4
Acenaphthene	1700		ug/kg	809	--	4
2,4-Dinitrophenol	ND		ug/kg	3240	--	4

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-04

Date Collected: 10/25/11 09:55

Client ID: S-100-C053-2.0-3.2

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1620	--	4
Dibenzofuran	1120		ug/kg	809	--	4
2,4-Dinitrotoluene	ND		ug/kg	809	--	4
Diethylphthalate	ND		ug/kg	809	--	4
Azobenzene	ND		ug/kg	809	--	4
Fluorene	2230		ug/kg	809	--	4
4-Bromophenyl-phenylether	ND		ug/kg	809	--	4
Hexachlorobenzene	ND		ug/kg	809	--	4
Pentachlorophenol	ND		ug/kg	3240	--	4
Phenanthrene	15400		ug/kg	809	--	4
Anthracene	3740		ug/kg	809	--	4
Di-n-butylphthalate	ND		ug/kg	809	--	4
Fluoranthene	18300		ug/kg	809	--	4
Pyrene	14800		ug/kg	809	--	4
Butylbenzylphthalate	1920		ug/kg	809	--	4
3,3'-Dichlorobenzidine	ND		ug/kg	809	--	4
Benz(a)anthracene	7700		ug/kg	809	--	4
Chrysene	10000		ug/kg	809	--	4
Bis(2-Ethylhexyl)phthalate	36700		ug/kg	809	--	4
Di-n-octylphthalate	ND		ug/kg	809	--	4
Benzo(b)fluoranthene	5980		ug/kg	809	--	4
Benzo(k)fluoranthene	5930		ug/kg	809	--	4
Benzo(a)pyrene	6500		ug/kg	809	--	4
Indeno(1,2,3-cd)Pyrene	4240		ug/kg	809	--	4
Dibenz(a,h)anthracene	1540		ug/kg	809	--	4
Benzo(ghi)perylene	4100		ug/kg	809	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	69		30-130
Phenol-d5	64		30-130
Nitrobenzene-d5	66		30-130
2-Fluorophenol	62		30-130
2,4,6-Tribromophenol	64		30-130
Terphenyl-d14	76		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-05
Client ID: S-100-C071-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 17:16
Analyst: AW
Percent Solids: 92%

Date Collected: 10/28/11 10:53
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	778	--	1
Phenol	ND		ug/kg	778	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	778	--	1
2-Chlorophenol	ND		ug/kg	778	--	1
1,3-Dichlorobenzene	ND		ug/kg	778	--	1
1,4-Dichlorobenzene	ND		ug/kg	778	--	1
1,2-Dichlorobenzene	ND		ug/kg	778	--	1
2-Methylphenol	ND		ug/kg	778	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	778	--	1
Acetophenone	1180	B	ug/kg	778	--	1
4-Methylphenol	ND		ug/kg	778	--	1
Hexachloroethane	ND		ug/kg	778	--	1
Nitrobenzene	ND		ug/kg	778	--	1
Isophorone	ND		ug/kg	778	--	1
2-Nitrophenol	ND		ug/kg	778	--	1
2,4-Dimethylphenol	ND		ug/kg	778	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	778	--	1
2,4-Dichlorophenol	ND		ug/kg	778	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	778	--	1
Naphthalene	868		ug/kg	778	--	1
4-Chloroaniline	ND		ug/kg	778	--	1
Hexachlorobutadiene	ND		ug/kg	778	--	1
2-Methylnaphthalene	ND		ug/kg	778	--	1
2,4,6-Trichlorophenol	ND		ug/kg	778	--	1
2,4,5-Trichlorophenol	ND		ug/kg	778	--	1
2-Chloronaphthalene	ND		ug/kg	778	--	1
Dimethylphthalate	ND		ug/kg	778	--	1
Acenaphthylene	ND		ug/kg	778	--	1
2,6-Dinitrotoluene	ND		ug/kg	778	--	1
Acenaphthene	ND		ug/kg	778	--	1
2,4-Dinitrophenol	ND		ug/kg	3110	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-05

Date Collected: 10/28/11 10:53

Client ID: S-100-C071-2.0-3.0

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1560	--	1
Dibenzofuran	ND		ug/kg	778	--	1
2,4-Dinitrotoluene	ND		ug/kg	778	--	1
Diethylphthalate	ND		ug/kg	778	--	1
Azobenzene	ND		ug/kg	778	--	1
Fluorene	1020		ug/kg	778	--	1
4-Bromophenyl-phenylether	ND		ug/kg	778	--	1
Hexachlorobenzene	ND		ug/kg	778	--	1
Pentachlorophenol	ND		ug/kg	3110	--	1
Phenanthrene	7450		ug/kg	778	--	1
Anthracene	1830		ug/kg	778	--	1
Di-n-butylphthalate	ND		ug/kg	778	--	1
Fluoranthene	10200		ug/kg	778	--	1
Pyrene	10400		ug/kg	778	--	1
Butylbenzylphthalate	ND		ug/kg	778	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	778	--	1
Benz(a)anthracene	5400		ug/kg	778	--	1
Chrysene	6140		ug/kg	778	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	778	--	1
Di-n-octylphthalate	ND		ug/kg	778	--	1
Benzo(b)fluoranthene	4480		ug/kg	778	--	1
Benzo(k)fluoranthene	3700		ug/kg	778	--	1
Benzo(a)pyrene	4440		ug/kg	778	--	1
Indeno(1,2,3-cd)Pyrene	3280		ug/kg	778	--	1
Dibenz(a,h)anthracene	1060		ug/kg	778	--	1
Benzo(ghi)perylene	3140		ug/kg	778	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	65		30-130
Phenol-d5	60		30-130
Nitrobenzene-d5	67		30-130
2-Fluorophenol	49		30-130
2,4,6-Tribromophenol	43		30-130
Terphenyl-d14	71		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-06
Client ID: S-100-C071-3.0-3.9
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 18:06
Analyst: AW
Percent Solids: 93%

Date Collected: 10/28/11 10:53
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	799	--	1
Phenol	ND		ug/kg	799	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	799	--	1
2-Chlorophenol	ND		ug/kg	799	--	1
1,3-Dichlorobenzene	ND		ug/kg	799	--	1
1,4-Dichlorobenzene	ND		ug/kg	799	--	1
1,2-Dichlorobenzene	ND		ug/kg	799	--	1
2-Methylphenol	ND		ug/kg	799	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	799	--	1
Acetophenone	1070	B	ug/kg	799	--	1
4-Methylphenol	ND		ug/kg	799	--	1
Hexachloroethane	ND		ug/kg	799	--	1
Nitrobenzene	ND		ug/kg	799	--	1
Isophorone	ND		ug/kg	799	--	1
2-Nitrophenol	ND		ug/kg	799	--	1
2,4-Dimethylphenol	ND		ug/kg	799	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	799	--	1
2,4-Dichlorophenol	ND		ug/kg	799	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	799	--	1
Naphthalene	ND		ug/kg	799	--	1
4-Chloroaniline	ND		ug/kg	799	--	1
Hexachlorobutadiene	ND		ug/kg	799	--	1
2-Methylnaphthalene	ND		ug/kg	799	--	1
2,4,6-Trichlorophenol	ND		ug/kg	799	--	1
2,4,5-Trichlorophenol	ND		ug/kg	799	--	1
2-Chloronaphthalene	ND		ug/kg	799	--	1
Dimethylphthalate	ND		ug/kg	799	--	1
Acenaphthylene	1160		ug/kg	799	--	1
2,6-Dinitrotoluene	ND		ug/kg	799	--	1
Acenaphthene	ND		ug/kg	799	--	1
2,4-Dinitrophenol	ND		ug/kg	3200	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-06

Date Collected: 10/28/11 10:53

Client ID: S-100-C071-3.0-3.9

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1600	--	1
Dibenzofuran	ND		ug/kg	799	--	1
2,4-Dinitrotoluene	ND		ug/kg	799	--	1
Diethylphthalate	ND		ug/kg	799	--	1
Azobenzene	ND		ug/kg	799	--	1
Fluorene	1590		ug/kg	799	--	1
4-Bromophenyl-phenylether	ND		ug/kg	799	--	1
Hexachlorobenzene	ND		ug/kg	799	--	1
Pentachlorophenol	ND		ug/kg	3200	--	1
Phenanthrene	9550		ug/kg	799	--	1
Anthracene	2440		ug/kg	799	--	1
Di-n-butylphthalate	ND		ug/kg	799	--	1
Fluoranthene	12900		ug/kg	799	--	1
Pyrene	14200		ug/kg	799	--	1
Butylbenzylphthalate	ND		ug/kg	799	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	799	--	1
Benz(a)anthracene	6060		ug/kg	799	--	1
Chrysene	9330		ug/kg	799	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	799	--	1
Di-n-octylphthalate	ND		ug/kg	799	--	1
Benzo(b)fluoranthene	5980		ug/kg	799	--	1
Benzo(k)fluoranthene	4210		ug/kg	799	--	1
Benzo(a)pyrene	5590		ug/kg	799	--	1
Indeno(1,2,3-cd)Pyrene	4280		ug/kg	799	--	1
Dibenz(a,h)anthracene	1180		ug/kg	799	--	1
Benzo(ghi)perylene	4000		ug/kg	799	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	55		30-130
Phenol-d5	45		30-130
Nitrobenzene-d5	55		30-130
2-Fluorophenol	35		30-130
2,4,6-Tribromophenol	29	Q	30-130
Terphenyl-d14	62		30-130

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-07
Client ID: S-10N-C005-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/26/11 03:19
Analyst: AW
Percent Solids: 98%

Date Collected: 11/03/11 15:10
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	783	--	1
Phenol	ND		ug/kg	783	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	783	--	1
2-Chlorophenol	ND		ug/kg	783	--	1
1,3-Dichlorobenzene	ND		ug/kg	783	--	1
1,4-Dichlorobenzene	1440		ug/kg	783	--	1
1,2-Dichlorobenzene	ND		ug/kg	783	--	1
2-Methylphenol	ND		ug/kg	783	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	783	--	1
Acetophenone	3120		ug/kg	783	--	1
4-Methylphenol	ND		ug/kg	783	--	1
Hexachloroethane	ND		ug/kg	783	--	1
Nitrobenzene	ND		ug/kg	783	--	1
Isophorone	ND		ug/kg	783	--	1
2-Nitrophenol	ND		ug/kg	783	--	1
2,4-Dimethylphenol	ND		ug/kg	783	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	783	--	1
2,4-Dichlorophenol	ND		ug/kg	783	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	783	--	1
Naphthalene	1310		ug/kg	783	--	1
4-Chloroaniline	ND		ug/kg	783	--	1
Hexachlorobutadiene	ND		ug/kg	783	--	1
2-Methylnaphthalene	ND		ug/kg	783	--	1
2,4,6-Trichlorophenol	ND		ug/kg	783	--	1
2,4,5-Trichlorophenol	ND		ug/kg	783	--	1
2-Chloronaphthalene	ND		ug/kg	783	--	1
Dimethylphthalate	ND		ug/kg	783	--	1
Acenaphthylene	ND		ug/kg	783	--	1
2,6-Dinitrotoluene	ND		ug/kg	783	--	1
Acenaphthene	ND		ug/kg	783	--	1
2,4-Dinitrophenol	ND		ug/kg	3130	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-07

Date Collected: 11/03/11 15:10

Client ID: S-10N-C005-2.0-3.0

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1570	--	1
Dibenzofuran	ND		ug/kg	783	--	1
2,4-Dinitrotoluene	ND		ug/kg	783	--	1
Diethylphthalate	ND		ug/kg	783	--	1
Azobenzene	ND		ug/kg	783	--	1
Fluorene	934		ug/kg	783	--	1
4-Bromophenyl-phenylether	ND		ug/kg	783	--	1
Hexachlorobenzene	ND		ug/kg	783	--	1
Pentachlorophenol	ND		ug/kg	3130	--	1
Phenanthrene	8990		ug/kg	783	--	1
Anthracene	1690		ug/kg	783	--	1
Di-n-butylphthalate	ND		ug/kg	783	--	1
Fluoranthene	12100		ug/kg	783	--	1
Pyrene	11200		ug/kg	783	--	1
Butylbenzylphthalate	ND		ug/kg	783	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	783	--	1
Benz(a)anthracene	5880		ug/kg	783	--	1
Chrysene	7980		ug/kg	783	--	1
Bis(2-Ethylhexyl)phthalate	40500	E	ug/kg	783	--	1
Di-n-octylphthalate	ND		ug/kg	783	--	1
Benzo(b)fluoranthene	5490		ug/kg	783	--	1
Benzo(k)fluoranthene	4140		ug/kg	783	--	1
Benzo(a)pyrene	4970		ug/kg	783	--	1
Indeno(1,2,3-cd)Pyrene	3540		ug/kg	783	--	1
Dibenz(a,h)anthracene	1120		ug/kg	783	--	1
Benzo(ghi)perylene	3180		ug/kg	783	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	72		30-130
Phenol-d5	67		30-130
Nitrobenzene-d5	75		30-130
2-Fluorophenol	40		30-130
2,4,6-Tribromophenol	38		30-130
Terphenyl-d14	81		30-130

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-07
 Client ID: S-10N-C005-2.0-3.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 97,8270C
 Analytical Date: 08/26/11 13:22
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/03/11 15:10
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:24
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Bis(2-Ethylhexyl)phthalate	41600		ug/kg	1570	--	2

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-08
Client ID: S-10N-C005-3.0-4.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 97,8270C
Analytical Date: 08/23/11 21:24
Analyst: AW
Percent Solids: 96%

Date Collected: 11/03/11 15:10
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:24
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/19/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
Aniline	ND		ug/kg	738	--	1
Phenol	ND		ug/kg	738	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	738	--	1
2-Chlorophenol	ND		ug/kg	738	--	1
1,3-Dichlorobenzene	ND		ug/kg	738	--	1
1,4-Dichlorobenzene	ND		ug/kg	738	--	1
1,2-Dichlorobenzene	ND		ug/kg	738	--	1
2-Methylphenol	ND		ug/kg	738	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	738	--	1
Acetophenone	ND		ug/kg	738	--	1
4-Methylphenol	ND		ug/kg	738	--	1
Hexachloroethane	ND		ug/kg	738	--	1
Nitrobenzene	ND		ug/kg	738	--	1
Isophorone	ND		ug/kg	738	--	1
2-Nitrophenol	ND		ug/kg	738	--	1
2,4-Dimethylphenol	ND		ug/kg	738	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	738	--	1
2,4-Dichlorophenol	ND		ug/kg	738	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	738	--	1
Naphthalene	ND		ug/kg	738	--	1
4-Chloroaniline	ND		ug/kg	738	--	1
Hexachlorobutadiene	ND		ug/kg	738	--	1
2-Methylnaphthalene	ND		ug/kg	738	--	1
2,4,6-Trichlorophenol	ND		ug/kg	738	--	1
2,4,5-Trichlorophenol	ND		ug/kg	738	--	1
2-Chloronaphthalene	ND		ug/kg	738	--	1
Dimethylphthalate	ND		ug/kg	738	--	1
Acenaphthylene	ND		ug/kg	738	--	1
2,6-Dinitrotoluene	ND		ug/kg	738	--	1
Acenaphthene	ND		ug/kg	738	--	1
2,4-Dinitrophenol	ND		ug/kg	2950	--	1

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-08

Date Collected: 11/03/11 15:10

Client ID: S-10N-C005-3.0-4.0

Date Received: 11/23/10

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by GC/MS - Mansfield Lab						
4-Nitrophenol	ND		ug/kg	1480	--	1
Dibenzofuran	ND		ug/kg	738	--	1
2,4-Dinitrotoluene	ND		ug/kg	738	--	1
Diethylphthalate	ND		ug/kg	738	--	1
Azobenzene	ND		ug/kg	738	--	1
Fluorene	ND		ug/kg	738	--	1
4-Bromophenyl-phenylether	ND		ug/kg	738	--	1
Hexachlorobenzene	ND		ug/kg	738	--	1
Pentachlorophenol	ND		ug/kg	2950	--	1
Phenanthrene	4330		ug/kg	738	--	1
Anthracene	1200		ug/kg	738	--	1
Di-n-butylphthalate	ND		ug/kg	738	--	1
Fluoranthene	5150		ug/kg	738	--	1
Pyrene	4820		ug/kg	738	--	1
Butylbenzylphthalate	ND		ug/kg	738	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	738	--	1
Benz(a)anthracene	2560		ug/kg	738	--	1
Chrysene	3110		ug/kg	738	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	738	--	1
Di-n-octylphthalate	ND		ug/kg	738	--	1
Benzo(b)fluoranthene	2060		ug/kg	738	--	1
Benzo(k)fluoranthene	1410		ug/kg	738	--	1
Benzo(a)pyrene	1960		ug/kg	738	--	1
Indeno(1,2,3-cd)Pyrene	1370		ug/kg	738	--	1
Dibenz(a,h)anthracene	ND		ug/kg	738	--	1
Benzo(ghi)perylene	1180		ug/kg	738	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	66		30-130
Phenol-d5	56		30-130
Nitrobenzene-d5	68		30-130
2-Fluorophenol	45		30-130
2,4,6-Tribromophenol	39		30-130
Terphenyl-d14	74		30-130

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8270C
 Analytical Date: 08/25/11 13:17
 Analyst: AW

Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:24
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/24/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-03,05-08 Batch: WG484970-1					
Aniline	ND		ug/kg	200	--
Phenol	ND		ug/kg	200	--
Bis(2-chloroethyl)ether	ND		ug/kg	200	--
2-Chlorophenol	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
2-Methylphenol	ND		ug/kg	200	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Acetophenone	330		ug/kg	200	--
4-Methylphenol	ND		ug/kg	200	--
Hexachloroethane	ND		ug/kg	200	--
Nitrobenzene	ND		ug/kg	200	--
Isophorone	ND		ug/kg	200	--
2-Nitrophenol	ND		ug/kg	200	--
2,4-Dimethylphenol	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--
2,4-Dichlorophenol	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
Naphthalene	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
2-Methylnaphthalene	ND		ug/kg	200	--
2,4,6-Trichlorophenol	ND		ug/kg	200	--
2,4,5-Trichlorophenol	ND		ug/kg	200	--
2-Chloronaphthalene	ND		ug/kg	200	--
Dimethylphthalate	ND		ug/kg	200	--
Acenaphthylene	ND		ug/kg	200	--
2,6-Dinitrotoluene	ND		ug/kg	200	--
Acenaphthene	ND		ug/kg	200	--

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8270C
 Analytical Date: 08/25/11 13:17
 Analyst: AW

Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:24
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/24/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-03,05-08 Batch: WG484970-1					
2,4-Dinitrophenol	ND		ug/kg	800	--
4-Nitrophenol	ND		ug/kg	400	--
Dibenzofuran	ND		ug/kg	200	--
2,4-Dinitrotoluene	ND		ug/kg	200	--
Diethylphthalate	ND		ug/kg	200	--
Azobenzene	ND		ug/kg	200	--
Fluorene	ND		ug/kg	200	--
4-Bromophenyl-phenylether	ND		ug/kg	200	--
Hexachlorobenzene	ND		ug/kg	200	--
Pentachlorophenol	ND		ug/kg	800	--
Phenanthrene	ND		ug/kg	200	--
Anthracene	ND		ug/kg	200	--
Di-n-butylphthalate	ND		ug/kg	200	--
Fluoranthene	ND		ug/kg	200	--
Pyrene	ND		ug/kg	200	--
Butylbenzylphthalate	ND		ug/kg	200	--
3,3'-Dichlorobenzidine	ND		ug/kg	200	--
Benz(a)anthracene	ND		ug/kg	200	--
Chrysene	ND		ug/kg	200	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	--
Di-n-octylphthalate	ND		ug/kg	200	--
Benzo(b)fluoranthene	ND		ug/kg	200	--
Benzo(k)fluoranthene	ND		ug/kg	200	--
Benzo(a)pyrene	ND		ug/kg	200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	200	--
Dibenz(a,h)anthracene	ND		ug/kg	200	--
Benzo(ghi)perylene	ND		ug/kg	200	--

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
 Analytical Date: 08/25/11 13:17
 Analyst: AW

Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:24
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/24/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-03,05-08 Batch: WG484970-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	62		30-130
Phenol-d5	66		30-130
Nitrobenzene-d5	67		30-130
2-Fluorophenol	57		30-130
2,4,6-Tribromophenol	35		30-130
Terphenyl-d14	70		30-130

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8270C
 Analytical Date: 08/31/11 17:55
 Analyst: AW

Extraction Method: EPA 3570
 Extraction Date: 08/26/11 16:11
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/29/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 04 Batch: WG486732-1					
Aniline	ND		ug/kg	200	--
Phenol	ND		ug/kg	200	--
Bis(2-chloroethyl)ether	ND		ug/kg	200	--
2-Chlorophenol	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
2-Methylphenol	ND		ug/kg	200	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	200	--
4-Methylphenol	ND		ug/kg	200	--
Hexachloroethane	ND		ug/kg	200	--
Nitrobenzene	ND		ug/kg	200	--
Isophorone	ND		ug/kg	200	--
2-Nitrophenol	ND		ug/kg	200	--
2,4-Dimethylphenol	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--
2,4-Dichlorophenol	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
Naphthalene	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
2-Methylnaphthalene	ND		ug/kg	200	--
2,4,6-Trichlorophenol	ND		ug/kg	200	--
2,4,5-Trichlorophenol	ND		ug/kg	200	--
2-Chloronaphthalene	ND		ug/kg	200	--
Dimethylphthalate	ND		ug/kg	200	--
Acenaphthylene	ND		ug/kg	200	--
2,6-Dinitrotoluene	ND		ug/kg	200	--
Acenaphthene	ND		ug/kg	200	--
2,4-Dinitrophenol	ND		ug/kg	800	--



Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8270C
 Analytical Date: 08/31/11 17:55
 Analyst: AW

Extraction Method: EPA 3570
 Extraction Date: 08/26/11 16:11
 Cleanup Method1: EPA 3640A
 Cleanup Date1: 08/29/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 04 Batch: WG486732-1					
4-Nitrophenol	ND		ug/kg	400	--
Dibenzofuran	ND		ug/kg	200	--
2,4-Dinitrotoluene	ND		ug/kg	200	--
Diethylphthalate	ND		ug/kg	200	--
Azobenzene	ND		ug/kg	200	--
Fluorene	ND		ug/kg	200	--
4-Bromophenyl-phenylether	ND		ug/kg	200	--
Hexachlorobenzene	ND		ug/kg	200	--
Pentachlorophenol	ND		ug/kg	800	--
Phenanthrene	ND		ug/kg	200	--
Anthracene	ND		ug/kg	200	--
Di-n-butylphthalate	ND		ug/kg	200	--
Fluoranthene	ND		ug/kg	200	--
Pyrene	ND		ug/kg	200	--
Butylbenzylphthalate	ND		ug/kg	200	--
3,3'-Dichlorobenzidine	ND		ug/kg	200	--
Benz(a)anthracene	ND		ug/kg	200	--
Chrysene	ND		ug/kg	200	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	--
Di-n-octylphthalate	ND		ug/kg	200	--
Benzo(b)fluoranthene	ND		ug/kg	200	--
Benzo(k)fluoranthene	ND		ug/kg	200	--
Benzo(a)pyrene	ND		ug/kg	200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	200	--
Dibenz(a,h)anthracene	ND		ug/kg	200	--
Benzo(ghi)perylene	ND		ug/kg	200	--

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 97,8270C
Analytical Date: 08/31/11 17:55
Analyst: AWExtraction Method: EPA 3570
Extraction Date: 08/26/11 16:11
Cleanup Method1: EPA 3640A
Cleanup Date1: 08/29/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 04 Batch: WG486732-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorobiphenyl	68		30-130
Phenol-d5	71		30-130
Nitrobenzene-d5	69		30-130
2-Fluorophenol	67		30-130
2,4,6-Tribromophenol	52		30-130
Terphenyl-d14	80		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 Batch: WG484970-2 WG484970-3								
Aniline	41		51		40-140	22		30
Phenol	56		69		30-130	21		30
Bis(2-chloroethyl)ether	56		72		40-140	25		30
2-Chlorophenol	52		65		30-130	22		30
1,3-Dichlorobenzene	51		64		40-140	23		30
1,4-Dichlorobenzene	52		65		40-140	22		30
1,2-Dichlorobenzene	52		65		40-140	22		30
2-Methylphenol	49		59		30-130	19		30
Bis(2-chloroisopropyl)ether	58		74		40-140	24		30
Acetophenone	67		80		40-140	18		30
4-Methylphenol	50		60		30-130	18		30
Hexachloroethane	54		69		40-140	24		30
Nitrobenzene	54		69		40-140	24		30
Isophorone	60		76		40-140	24		30
2-Nitrophenol	52		66		30-130	24		30
2,4-Dimethylphenol	37		37		30-130	0		30
Bis(2-chloroethoxy)methane	53		67		40-140	23		30
2,4-Dichlorophenol	52		65		30-130	22		30
1,2,4-Trichlorobenzene	50		63		40-140	23		30
Naphthalene	61		75		40-140	21		30
4-Chloroaniline	40		52		40-140	26		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 Batch: WG484970-2 WG484970-3								
Hexachlorobutadiene	54		70		40-140	26		30
2-Methylnaphthalene	50		62		40-140	21		30
2,4,6-Trichlorophenol	51		63		30-130	21		30
2,4,5-Trichlorophenol	48		60		30-130	22		30
2-Chloronaphthalene	53		65		40-140	20		30
Dimethylphthalate	51		64		40-140	23		30
Acenaphthylene	55		68		40-140	21		30
2,6-Dinitrotoluene	57		71		40-140	22		30
Acenaphthene	56		69		40-140	21		30
2,4-Dinitrophenol	10	Q	16	Q	30-130	46	Q	30
4-Nitrophenol	52		72		30-130	32	Q	30
Dibenzofuran	51		63		40-140	21		30
2,4-Dinitrotoluene	56		71		40-140	24		30
Diethylphthalate	56		71		40-140	24		30
Azobenzene	55		68		40-140	21		30
Fluorene	57		70		40-140	20		30
4-Bromophenyl-phenylether	54		66		40-140	20		30
Hexachlorobenzene	54		65		40-140	18		30
Pentachlorophenol	38		55		30-130	37	Q	30
Phenanthrene	60		74		40-140	21		30
Anthracene	58		71		40-140	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 Batch: WG484970-2 WG484970-3								
Di-n-butylphthalate	57		72		40-140	23		30
Fluoranthene	61		76		40-140	22		30
Pyrene	60		76		40-140	24		30
Butylbenzylphthalate	60		78		40-140	26		30
3,3'-Dichlorobenzidine	45		56		40-140	22		30
Benz(a)anthracene	60		76		40-140	24		30
Chrysene	76		95		40-140	22		30
Bis(2-Ethylhexyl)phthalate	60		79		40-140	27		30
Di-n-octylphthalate	60		79		40-140	27		30
Benzo(b)fluoranthene	62		77		40-140	22		30
Benzo(k)fluoranthene	64		83		40-140	26		30
Benzo(a)pyrene	59		75		40-140	24		30
Indeno(1,2,3-cd)Pyrene	56		73		40-140	26		30
Dibenz(a,h)anthracene	37	Q	47		40-140	24		30
Benzo(ghi)perylene	60		74		40-140	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 Batch: WG484970-2 WG484970-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorobiphenyl	54		67		30-130
Phenol-d5	59		72		30-130
Nitrobenzene-d5	58		72		30-130
2-Fluorophenol	51		62		30-130
2,4,6-Tribromophenol	55		66		30-130
Terphenyl-d14	60		76		30-130

MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 04 Batch: WG486732-2 WG486732-3

Aniline	53		50		40-140	6		30
Phenol	75		71		30-130	5		30
Bis(2-chloroethyl)ether	70		68		40-140	3		30
2-Chlorophenol	76		72		30-130	5		30
1,3-Dichlorobenzene	72		70		40-140	3		30
1,4-Dichlorobenzene	74		71		40-140	4		30
1,2-Dichlorobenzene	74		71		40-140	4		30
2-Methylphenol	71		67		30-130	6		30
Bis(2-chloroisopropyl)ether	71		68		40-140	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 04 Batch: WG486732-2 WG486732-3								
Acetophenone	81		79		40-140	3		30
4-Methylphenol	69		66		30-130	4		30
Hexachloroethane	75		71		40-140	5		30
Nitrobenzene	74		70		40-140	6		30
Isophorone	85		81		40-140	5		30
2-Nitrophenol	78		74		30-130	5		30
2,4-Dimethylphenol	57		54		30-130	5		30
Bis(2-chloroethoxy)methane	76		72		40-140	5		30
2,4-Dichlorophenol	80		76		30-130	5		30
1,2,4-Trichlorobenzene	77		74		40-140	4		30
Naphthalene	87		84		40-140	4		30
4-Chloroaniline	56		54		40-140	4		30
Hexachlorobutadiene	89		84		40-140	6		30
2-Methylnaphthalene	71		69		40-140	3		30
2,4,6-Trichlorophenol	73		68		30-130	7		30
2,4,5-Trichlorophenol	70		65		30-130	7		30
2-Chloronaphthalene	73		70		40-140	4		30
Dimethylphthalate	72		68		40-140	6		30
Acenaphthylene	77		72		40-140	7		30
2,6-Dinitrotoluene	82		76		40-140	8		30
Acenaphthene	77		72		40-140	7		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 04 Batch: WG486732-2 WG486732-3								
2,4-Dinitrophenol	20	Q	4	Q	30-130	136	Q	30
4-Nitrophenol	74		64		30-130	14		30
Dibenzofuran	72		68		40-140	6		30
2,4-Dinitrotoluene	81		75		40-140	8		30
Diethylphthalate	79		73		40-140	8		30
Azobenzene	75		71		40-140	5		30
Fluorene	80		75		40-140	6		30
4-Bromophenyl-phenylether	79		73		40-140	8		30
Hexachlorobenzene	80		76		40-140	5		30
Pentachlorophenol	51		41		30-130	22		30
Phenanthrene	80		75		40-140	6		30
Anthracene	78		73		40-140	7		30
Di-n-butylphthalate	78		71		40-140	9		30
Fluoranthene	84		79		40-140	6		30
Pyrene	81		76		40-140	6		30
Butylbenzylphthalate	84		78		40-140	7		30
3,3'-Dichlorobenzidine	74		70		40-140	6		30
Benz(a)anthracene	83		77		40-140	8		30
Chrysene	104		97		40-140	7		30
Bis(2-Ethylhexyl)phthalate	83		77		40-140	8		30
Di-n-octylphthalate	82		76		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 04 Batch: WG486732-2 WG486732-3								
Benzo(b)fluoranthene	86		78		40-140	10		30
Benzo(k)fluoranthene	83		82		40-140	1		30
Benzo(a)pyrene	82		76		40-140	8		30
Indeno(1,2,3-cd)Pyrene	82		78		40-140	5		30
Dibenz(a,h)anthracene	53		49		40-140	8		30
Benzo(ghi)perylene	80		75		40-140	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorobiphenyl	77		72		30-130
Phenol-d5	81		78		30-130
Nitrobenzene-d5	78		74		30-130
2-Fluorophenol	79		75		30-130
2,4,6-Tribromophenol	86		79		30-130
Terphenyl-d14	84		79		30-130

Matrix Spike Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG484970-4 WG484970-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0												
Aniline	ND	3860	1940	50		1860	51		40-140	4		30
Phenol	ND	3860	2200	57		2000	55		30-130	10		30
Bis(2-chloroethyl)ether	ND	3860	2800	73		2560	70		40-140	9		30
2-Chlorophenol	ND	3860	1900	49		1820	50		30-130	4		30
1,3-Dichlorobenzene	ND	3860	2440	63		2210	60		40-140	10		30
1,4-Dichlorobenzene	1440	3860	2430	26	Q	2260	22	Q	40-140	7		30
1,2-Dichlorobenzene	ND	3860	2490	65		2300	63		40-140	8		30
2-Methylphenol	ND	3860	ND	0	Q	ND	0	Q	30-130	NC		30
Bis(2-chloroisopropyl)ether	ND	3860	3030	79		2840	77		40-140	6		30
Acetophenone	3120	3860	4340	32	Q	3750	17	Q	40-140	15		30
4-Methylphenol	ND	3860	861	22	Q	954	26	Q	30-130	10		30
Hexachloroethane	ND	3860	2320	60		2240	61		40-140	4		30
Nitrobenzene	ND	3860	2530	66		2340	64		40-140	8		30
Isophorone	ND	3860	2700	70		2510	68		40-140	7		30
2-Nitrophenol	ND	3860	2240	58		1980	54		30-130	12		30
2,4-Dimethylphenol	ND	3860	ND	0	Q	ND	0	Q	30-130	NC		30
Bis(2-chloroethoxy)methane	ND	3860	2480	64		2380	65		40-140	4		30
2,4-Dichlorophenol	ND	3860	1740	45		1710	47		30-130	2		30
1,2,4-Trichlorobenzene	ND	3860	2330	60		2200	60		40-140	6		30
Naphthalene	1310	3860	4170	74		3780	67		40-140	10		30
4-Chloroaniline	ND	3860	ND	0	Q	ND	0	Q	40-140	NC		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG484970-4 WG484970-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0												
Hexachlorobutadiene	ND	3860	2510	65		2380	65		40-140	5		30
2-Methylnaphthalene	ND	3860	2770	72		2560	70		40-140	8		30
2,4,6-Trichlorophenol	ND	3860	1200	31		1280	35		30-130	6		30
2,4,5-Trichlorophenol	ND	3860	2020	52		1880	51		30-130	7		30
2-Chloronaphthalene	ND	3860	2560	66		2450	67		40-140	4		30
Dimethylphthalate	ND	3860	2390	62		2300	63		40-140	4		30
Acenaphthylene	ND	3860	2950	77		2700	74		40-140	9		30
2,6-Dinitrotoluene	ND	3860	2380	62		2100	57		40-140	13		30
Acenaphthene	ND	3860	3400	88		3190	87		40-140	6		30
2,4-Dinitrophenol	ND	3860	ND	0	Q	ND	0	Q	30-130	NC		30
4-Nitrophenol	ND	3860	1920	50		1590	43		30-130	19		30
Dibenzofuran	ND	3860	3220	84		2850	78		40-140	12		30
2,4-Dinitrotoluene	ND	3860	2150	56		1970	54		40-140	9		30
Diethylphthalate	ND	3860	2630	68		2520	69		40-140	4		30
Azobenzene	ND	3860	3310	86		3100	85		40-140	7		30
Fluorene	934	3860	3800	74		3340	66		40-140	13		30
4-Bromophenyl-phenylether	ND	3860	2400	62		2280	62		40-140	5		30
Hexachlorobenzene	ND	3860	2330	60		2210	60		40-140	5		30
Pentachlorophenol	ND	3860	ND	0	Q	ND	0	Q	30-130	NC		30
Phenanthrene	8990	3860	9840	22	Q	7710	0	Q	40-140	24		30
Anthracene	1690	3860	4360	69		3740	56		40-140	15		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG484970-4 WG484970-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0												
Di-n-butylphthalate	ND	3860	2630	68		2520	69		40-140	4		30
Fluoranthene	12100	3860	11600	0	Q	9150	0	Q	40-140	24		30
Pyrene	11200	3860	11400	5	Q	9400	0	Q	40-140	19		30
Butylbenzylphthalate	ND	3860	3050	79		2920	80		40-140	4		30
3,3'-Dichlorobenzidine	ND	3860	ND	0	Q	ND	0	Q	40-140	NC		30
Benz(a)anthracene	5880	3860	7010	29	Q	6040	4	Q	40-140	15		30
Chrysene	7980	3860	8760	20	Q	7310	0	Q	40-140	18		30
Bis(2-Ethylhexyl)phthalate	40500E	3860	3150	0	Q	2960	0	Q	40-140	6		30
Bis(2-Ethylhexyl)phthalate	41600	3860	2500	0	Q	2060	0	Q	40-140	19		30
Di-n-octylphthalate	ND	3860	3030	79		2820	77		40-140	7		30
Benzo(b)fluoranthene	5490	3860	6360	23	Q	5220	0	Q	40-140	20		30
Benzo(k)fluoranthene	4140	3860	5500	35	Q	4540	11	Q	40-140	19		30
Benzo(a)pyrene	4970	3860	6140	30	Q	5010	1	Q	40-140	20		30
Indeno(1,2,3-cd)Pyrene	3540	3860	5260	45		4290	20	Q	40-140	20		30
Dibenz(a,h)anthracene	1120	3860	2530	37	Q	2210	30	Q	40-140	14		30
Benzo(ghi)perylene	3180	3860	5040	48		4130	26	Q	40-140	20		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	28	Q	29	Q	30-130
2-Fluorobiphenyl	66		66		30-130

Matrix Spike Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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MCP Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-03,05-08 QC Batch ID: WG484970-4 WG484970-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2-Fluorophenol	31		33		30-130
Nitrobenzene-d5	69		69		30-130
Phenol-d5	56		57		30-130
Terphenyl-d14	70		71		30-130

PCBS

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-01
Client ID: S-100-C047-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 11:34
Analyst: JS
Percent Solids: 92%

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	ND		ug/kg	28.2	--	20
CI3-BZ#18	380		ug/kg	28.2	--	20
CI4-BZ#52	168		ug/kg	28.2	--	20
CI4-BZ#44	75.9		ug/kg	28.2	--	20
CI4-BZ#66	165		ug/kg	28.2	--	20
CI5-BZ#118	210		ug/kg	28.2	--	20
CI6-BZ#138	160		ug/kg	28.2	--	20
CI7-BZ#187	29.6		ug/kg	28.2	--	20
CI6-BZ#128	39.8		ug/kg	28.2	--	20
CI7-BZ#180	31.6		ug/kg	28.2	--	20
CI8-BZ#195	ND		ug/kg	28.2	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	220	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-01
Client ID: S-100-C047-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 11:34
Analyst: JS
Percent Solids: 92%

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	ND		ug/kg	28.2	--	20
CI5-BZ#101	173		ug/kg	28.2	--	20
CI6-BZ#153	87.3		ug/kg	28.2	--	20
CI5-BZ#105	68.1		ug/kg	28.2	--	20
CI7-BZ#170	54.3		ug/kg	28.2	--	20
CI9-BZ#206	166		ug/kg	28.2	--	20
CI10-BZ#209	147		ug/kg	28.2	--	20

DBOB	119		30-150
BZ 198	220	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-02
Client ID: S-100-C047-3.0-3.6
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/25/11 14:22
Analyst: JS
Percent Solids: 89%

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	8.18		ug/kg	1.48	--	1
CI3-BZ#18	ND		ug/kg	1.48	--	1
CI4-BZ#52	5.77		ug/kg	1.48	--	1
CI4-BZ#44	1.94		ug/kg	1.48	--	1
CI4-BZ#66	4.38		ug/kg	1.48	--	1
CI5-BZ#105	ND		ug/kg	1.48	--	1
CI6-BZ#138	ND		ug/kg	1.48	--	1
CI7-BZ#187	ND		ug/kg	1.48	--	1
CI6-BZ#128	ND		ug/kg	1.48	--	1
CI7-BZ#180	ND		ug/kg	1.48	--	1
CI7-BZ#170	ND		ug/kg	1.48	--	1
CI8-BZ#195	ND		ug/kg	1.48	--	1
CI9-BZ#206	ND		ug/kg	1.48	--	1
CI10-BZ#209	ND		ug/kg	1.48	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	100		30-150
DBOB	94		30-150

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-02
 Client ID: S-100-C047-3.0-3.6
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 08/25/11 14:22
 Analyst: JS
 Percent Solids: 89%

Date Collected: 10/25/11 09:17
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1.68		ug/kg	1.48	--	1
CI5-BZ#101	2.28		ug/kg	1.48	--	1
CI5-BZ#118	1.52		ug/kg	1.48	--	1
CI6-BZ#153	ND		ug/kg	1.48	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	100		30-150
DBOB	94		30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-03
Client ID: S-100-C051-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 12:18
Analyst: JS
Percent Solids: 96%

Date Collected: 10/25/11 09:16
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	238		ug/kg	108	--	80
CI3-BZ#18	626		ug/kg	108	--	80
CI5-BZ#118	827		ug/kg	108	--	80
CI6-BZ#138	687		ug/kg	108	--	80
CI7-BZ#187	140		ug/kg	108	--	80
CI6-BZ#128	159		ug/kg	108	--	80
CI7-BZ#180	174		ug/kg	108	--	80
CI7-BZ#170	123		ug/kg	108	--	80
CI8-BZ#195	ND		ug/kg	108	--	80
CI9-BZ#206	ND		ug/kg	108	--	80
CI10-BZ#209	ND		ug/kg	108	--	80

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-03
Client ID: S-100-C051-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 12:18
Analyst: JS
Percent Solids: 96%

Date Collected: 10/25/11 09:16
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1340		ug/kg	108	--	80
CI4-BZ#52	1980		ug/kg	108	--	80
CI4-BZ#44	896		ug/kg	108	--	80
CI4-BZ#66	1080		ug/kg	108	--	80
CI5-BZ#101	982		ug/kg	108	--	80
CI6-BZ#153	673		ug/kg	108	--	80
CI5-BZ#105	180		ug/kg	108	--	80

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-04
Client ID: S-100-C053-2.0-3.2
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 13:02
Analyst: JS
Percent Solids: 94%

Date Collected: 10/25/11 09:55
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	288		ug/kg	55.3	--	40
CI5-BZ#118	478		ug/kg	55.3	--	40
CI6-BZ#138	283		ug/kg	55.3	--	40
CI7-BZ#187	61.0		ug/kg	55.3	--	40
CI6-BZ#128	67.8		ug/kg	55.3	--	40
CI7-BZ#180	72.4		ug/kg	55.3	--	40
CI7-BZ#170	ND		ug/kg	55.3	--	40
CI9-BZ#206	ND		ug/kg	55.3	--	40
CI10-BZ#209	ND		ug/kg	55.3	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-04
 Client ID: S-100-C053-2.0-3.2
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 08/24/11 13:02
 Analyst: JS
 Percent Solids: 94%

Date Collected: 10/25/11 09:55
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	103		ug/kg	55.3	--	40
CI3-BZ#28	592		ug/kg	55.3	--	40
CI4-BZ#52	880		ug/kg	55.3	--	40
CI4-BZ#44	399		ug/kg	55.3	--	40
CI4-BZ#66	584		ug/kg	55.3	--	40
CI5-BZ#101	523		ug/kg	55.3	--	40
CI6-BZ#153	303		ug/kg	55.3	--	40
CI5-BZ#105	95.3		ug/kg	55.3	--	40
CI8-BZ#195	ND		ug/kg	55.3	--	40
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-05
Client ID: S-100-C071-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 13:45
Analyst: JS
Percent Solids: 92%

Date Collected: 10/28/11 10:53
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	ND		ug/kg	284	--	200
CI3-BZ#18	960		ug/kg	284	--	200
CI5-BZ#118	567		ug/kg	284	--	200
CI6-BZ#138	842		ug/kg	284	--	200
CI7-BZ#187	ND		ug/kg	284	--	200
CI6-BZ#128	ND		ug/kg	284	--	200
CI7-BZ#180	ND		ug/kg	284	--	200
CI9-BZ#206	ND		ug/kg	284	--	200
CI10-BZ#209	ND		ug/kg	284	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-05
 Client ID: S-100-C071-2.0-3.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 08/24/11 13:45
 Analyst: JS
 Percent Solids: 92%

Date Collected: 10/28/11 10:53
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	ND		ug/kg	284	--	200
CI4-BZ#52	4380		ug/kg	284	--	200
CI4-BZ#44	1010		ug/kg	284	--	200
CI4-BZ#66	1250		ug/kg	284	--	200
CI5-BZ#101	792		ug/kg	284	--	200
CI6-BZ#153	553		ug/kg	284	--	200
CI5-BZ#105	ND		ug/kg	284	--	200
CI7-BZ#170	ND		ug/kg	284	--	200
CI8-BZ#195	ND		ug/kg	284	--	200

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-06
 Client ID: S-100-C071-3.0-3.9
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 08/24/11 14:29
 Analyst: JS
 Percent Solids: 93%

Date Collected: 10/28/11 10:53
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	111		ug/kg	28.4	--	20
CI3-BZ#28	63.8		ug/kg	28.4	--	20
CI4-BZ#66	110		ug/kg	28.4	--	20
CI5-BZ#118	50.1		ug/kg	28.4	--	20
CI6-BZ#138	62.9		ug/kg	28.4	--	20
CI7-BZ#187	ND		ug/kg	28.4	--	20
CI6-BZ#128	ND		ug/kg	28.4	--	20
CI7-BZ#180	ND		ug/kg	28.4	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	134		30-150
BZ 198	148		30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-06
Client ID: S-100-C071-3.0-3.9
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 14:29
Analyst: JS
Percent Solids: 93%

Date Collected: 10/28/11 10:53
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	ND		ug/kg	28.4	--	20
CI4-BZ#52	420		ug/kg	28.4	--	20
CI4-BZ#44	79.2		ug/kg	28.4	--	20
CI5-BZ#101	70.9		ug/kg	28.4	--	20
CI6-BZ#153	55.5		ug/kg	28.4	--	20
CI5-BZ#105	ND		ug/kg	28.4	--	20
CI7-BZ#170	ND		ug/kg	28.4	--	20
CI8-BZ#195	ND		ug/kg	28.4	--	20
CI9-BZ#206	ND		ug/kg	28.4	--	20
CI10-BZ#209	ND		ug/kg	28.4	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	134		30-150
BZ 198	148		30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-07
Client ID: S-10N-C005-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/24/11 15:13
Analyst: JS
Percent Solids: 98%

Date Collected: 11/03/11 15:10
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	ND		ug/kg	1.36	--	1
CI3-BZ#28	ND		ug/kg	1.36	--	1
CI4-BZ#52	ND		ug/kg	1.36	--	1
CI4-BZ#44	ND		ug/kg	1.36	--	1
CI4-BZ#66	ND		ug/kg	1.36	--	1
CI5-BZ#118	ND		ug/kg	1.36	--	1
CI5-BZ#105	ND		ug/kg	1.36	--	1
CI6-BZ#138	ND		ug/kg	1.36	--	1
CI7-BZ#187	ND		ug/kg	1.36	--	1
CI6-BZ#128	ND		ug/kg	1.36	--	1
CI7-BZ#180	ND		ug/kg	1.36	--	1
CI7-BZ#170	ND		ug/kg	1.36	--	1
CI8-BZ#195	ND		ug/kg	1.36	--	1
CI9-BZ#206	ND		ug/kg	1.36	--	1
CI10-BZ#209	ND		ug/kg	1.36	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	117		30-150
DBOB	99		30-150

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-07
 Client ID: S-10N-C005-2.0-3.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 08/24/11 15:13
 Analyst: JS
 Percent Solids: 98%

Date Collected: 11/03/11 15:10
 Date Received: 11/23/10
 Field Prep: Not Specified
 Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	ND		ug/kg	1.36	--	1
Cl5-BZ#101	ND		ug/kg	1.36	--	1
Cl6-BZ#153	ND		ug/kg	1.36	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	117		30-150
DBOB	99		30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-08
Client ID: S-10N-C005-3.0-4.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/25/11 13:38
Analyst: JS
Percent Solids: 96%

Date Collected: 11/03/11 15:10
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	ND		ug/kg	1.38	--	1
CI3-BZ#18	ND		ug/kg	1.38	--	1
CI3-BZ#28	ND		ug/kg	1.38	--	1
CI4-BZ#52	ND		ug/kg	1.38	--	1
CI4-BZ#44	ND		ug/kg	1.38	--	1
CI4-BZ#66	ND		ug/kg	1.38	--	1
CI5-BZ#101	ND		ug/kg	1.38	--	1
CI5-BZ#118	ND		ug/kg	1.38	--	1
CI5-BZ#105	ND		ug/kg	1.38	--	1
CI6-BZ#138	ND		ug/kg	1.38	--	1
CI7-BZ#187	ND		ug/kg	1.38	--	1
CI6-BZ#128	ND		ug/kg	1.38	--	1
CI7-BZ#180	ND		ug/kg	1.38	--	1
CI7-BZ#170	ND		ug/kg	1.38	--	1
CI8-BZ#195	ND		ug/kg	1.38	--	1
CI9-BZ#206	ND		ug/kg	1.38	--	1
CI10-BZ#209	ND		ug/kg	1.38	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	37		30-150
DBOB	38		30-150

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-08
Client ID: S-10N-C005-3.0-4.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 08/25/11 13:38
Analyst: JS
Percent Solids: 96%

Date Collected: 11/03/11 15:10
Date Received: 11/23/10
Field Prep: Not Specified
Extraction Method: EPA 3570
Extraction Date: 08/17/11 09:22
Cleanup Method1: EPA 3630
Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl6-BZ#153	ND		ug/kg	1.38	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	37		30-150
DBOB	38		30-150

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 08/23/11 10:25
 Analyst: JS

Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-08 Batch: WG484969-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
BZ 198	112		30-150
DBOB	85		30-150

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 08/23/11 10:25
 Analyst: JS

Extraction Method: EPA 3570
 Extraction Date: 08/17/11 09:22
 Cleanup Method1: EPA 3630
 Cleanup Date1: 08/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-08 Batch: WG484969-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
BZ 198	112		30-150
DBOB	85		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG484969-4 WG484969-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0												
Cl3-BZ#18	ND	3.36	3.13	93		3.41	101		40-140	9		30
Cl4-BZ#52	ND	3.36	3.05	91		2.94	87		40-140	4		30
Cl4-BZ#44	ND	3.36	2.95	88		3.16	94		40-140	7		30
Cl5-BZ#118	ND	3.36	2.72	81		2.96	88		40-140	8		30
Cl6-BZ#138	ND	3.36	4.12	123		3.66	108		40-140	12		30
Cl6-BZ#128	ND	3.36	2.51	75		3.02	90		40-140	18		30
Cl7-BZ#180	ND	3.36	3.09	92		3.43	102		40-140	10		30
Cl7-BZ#170	ND	3.36	2.72	81		3.25	96		40-140	18		30
Cl8-BZ#195	ND	3.36	3.18	95		4.07	121		40-140	25		30
Cl9-BZ#206	ND	3.36	3.38	101		4.04	120		40-140	18		30
Cl10-BZ#209	ND	3.36	3.75	112		3.77	112		40-140	1		30
Cl2-BZ#8	ND	3.36	3.59	107		4.14	123		40-140	14		30
Cl3-BZ#28	ND	3.36	2.75	82		2.88	85		40-140	5		30
Cl4-BZ#66	ND	3.36	2.08	62		2.24	66		40-140	7		30
Cl5-BZ#101	ND	3.36	2.33	69		2.44	72		40-140	5		30
Cl6-BZ#153	ND	3.36	2.24	67		2.27	67		40-140	1		30
Cl5-BZ#105	ND	3.36	2.24	67		2.43	72		40-140	8		30
Cl7-BZ#187	ND	3.36	2.35	70		2.50	74		40-140	6		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG484969-4 WG484969-5 QC Sample: L1112348-07 Client ID: S-10N-C005-2.0-3.0

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
BZ 198	106		121		30-150
DBOB	87		91		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-08 Batch: WG484969-2 WG484969-3								
Cl2-BZ#8	76		73		40-140	4		30
Cl3-BZ#18	80		79		40-140	1		30
Cl3-BZ#28	72		70		40-140	3		30
Cl4-BZ#52	74		70		40-140	6		30
Cl4-BZ#44	75		70		40-140	7		30
Cl4-BZ#66	76		73		40-140	4		30
Cl5-BZ#101	80		77		40-140	4		30
Cl5-BZ#118	98		94		40-140	4		30
Cl5-BZ#105	81		78		40-140	4		30
Cl6-BZ#138	83		80		40-140	4		30
Cl7-BZ#187	105		100		40-140	5		30
Cl6-BZ#128	80		76		40-140	5		30
Cl7-BZ#180	109		106		40-140	3		30
Cl7-BZ#170	88		86		40-140	2		30
Cl8-BZ#195	95		92		40-140	3		30
Cl9-BZ#206	103		100		40-140	3		30
Cl10-BZ#209	88		86		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NBH ENVIRONMENTAL MONITORING

Lab Number: L1112348

Project Number: TO-0010-03

Report Date: 09/06/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-08 Batch: WG484969-2 WG484969-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	99		95		30-150
DBOB	75		71		30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-08 Batch: WG484969-2 WG484969-3

Cl6-BZ#153	80		77		40-140	4		30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	99		95		30-150
DBOB	75		71		30-150

INORGANICS & MISCELLANEOUS

Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS**

Lab ID: L1112348-01
Client ID: S-100-C047-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	92.4		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	49.4		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-02
Client ID: S-100-C047-3.0-3.6
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 10/25/11 09:17
Date Received: 11/23/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	89.3		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	49.0		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-03
Client ID: S-100-C051-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 10/25/11 09:16
Date Received: 11/23/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	95.9		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	69.4		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-04
Client ID: S-100-C053-2.0-3.2
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 10/25/11 09:55
Date Received: 11/23/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	93.6		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	41.5		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS****Lab ID:** L1112348-05**Date Collected:** 10/28/11 10:53**Client ID:** S-100-C071-2.0-3.0**Date Received:** 11/23/10**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	91.8		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	39.7		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

SAMPLE RESULTS

Lab ID: L1112348-06
Client ID: S-100-C071-3.0-3.9
Sample Location: NEW BEDFORD, MA
Matrix: Sediment

Date Collected: 10/28/11 10:53
Date Received: 11/23/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	93.0		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	46.2		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS****Lab ID:** L1112348-07**Date Collected:** 11/03/11 15:10**Client ID:** S-10N-C005-2.0-3.0**Date Received:** 11/23/10**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	61.1		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING**Lab Number:** L1112348**Project Number:** TO-0010-03**Report Date:** 09/06/11**SAMPLE RESULTS****Lab ID:** L1112348-08**Date Collected:** 11/03/11 15:10**Client ID:** S-10N-C005-3.0-4.0**Date Received:** 11/23/10**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.2		%	0.100	--	1	-	08/17/11 08:00	30,2540G	KB
Solids, Total (Pre-Dried)	60.3		%	0.100	NA	1	-	08/15/11 08:20	30,2540G	KB



Project Name: NBH ENVIRONMENTAL MONITORING**Project Number:** TO-0010-03**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1112348**Report Date:** 09/06/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG484949-1 QC Sample: L1112348-01 Client ID: S-10O-C047-2.0-3.0						
Solids, Total	92.4	92.4	%	0		20

Project Name: NBH ENVIRONMENTAL MONITORING

Project Number: TO-0010-03

Lab Number: L1112348

Report Date: 09/06/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

ABC Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1112348-01A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-02A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-03A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-04A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-05A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-06A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-07A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-07B	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1112348-08A	Glass 250ml unpreserved	ABC	N/A	2,1.5,3.2	Y	Absent	A2-MCP-8270-10(14),A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)

*Values in parentheses indicate holding time in days

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- | | |
|----------|--|
| A | - Spectra identified as "Aldol Condensation Product". |
| B | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| C | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| D | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| E | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| G | - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated. |
| H | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| I | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference. |
| M | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte. |
| P | - The RPD between the results for the two columns exceeds the method-specified criteria. |
| Q | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less |

Report Format: Data Usability Report



Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Project Name: NBH ENVIRONMENTAL MONITORING
Project Number: TO-0010-03

Lab Number: L1112348
Report Date: 09/06/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised August 4, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, SM2540D, 2540G, , EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9050A, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

L1112348



CHAIN OF CUSTODY

PAGE 1 OF 11

Westborough, MA Mansfield, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 FAX: 508-822-3288

Client Information

Client: Woods Hole Group
Address: 81 Technology Park Drive
E. Falmouth, MA 02536
Phone: 508-540-8080

Fax: 508-540-1001

Email: dvalsh@whgrp.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: NBH Environmental Monitoring

Project Location: New Bedford, MA

Project #: TO-0010-03

Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☐ Standard

☐ Rush (ONLY IF PRE-APPROVED)

Due Date:

Time:

Other Project Specific Requirements/Comments/Detection Limits:

Level III data report & Project-specific EDD

PLEASE HOMOGENIZE SEDIMENTS BEFORE ANALYSIS

BOATHOUSE CORES

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date

Time

Sample Matrix

Sampler's Initials

Archive

1	S-100-C047-2.0-3.0 ✓	10/25/10	09:17	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-A1	1
2	S-100-C047-3.0-3.6 ✓	10/25/10	09:17	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-A1	1
3	S-100-C048-2.0-3.0 ✓	10/25/10	09:05	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-A3	1
4	S-100-C048-3.0-4.0 ✓	10/25/10	09:05	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-A3	1
5	S-100-C049-2.0-3.0 ✓	10/25/10	14:50	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-B1	1
6	S-100-C049-3.0-4.0 ✓	10/25/10	14:50	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-B1	1
7	S-100-C050-2.0-3.0 ✓	10/25/10	14:32	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-B2	1
8	S-100-C050-3.0-4.0 ✓	10/25/10	14:32	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-B2	1
9	S-100-C051-2.0-3.0 ✓	10/25/10	09:16	SED	MW	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-C1	1
10	S-10N-C005-2.0-3.0MS/MSD	11/04/10	10:20	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	MS/MSD	1

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

FORM NO: 01-01(I-NJ)
(rev. 29-APR-09)

Please print clearly, legibly and completely. Samples can not be logged in and out of the turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.



CHAIN OF CUSTODY

PAGE 8 OF 11

Westborough, MA Mansfield, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 FAX: 508-822-3288

Client Information

Client: Woods Hole Group
Address: 81 Technology Park Drive
E. Falmouth, MA 02536
Phone: 508-540-8080

Fax: 508-540-1001

Email: dwalsh@whgrp.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Level III data report & Project-specific EDD

PLEASE HOMOGENIZE SEDIMENTS BEFORE ANALYSIS

BOATHOUSE CORES

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date Time

Sample Matrix

Sampler's Initials

63	S-10N-C002-2.0-3.0	11/03/10	13:20	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-C3	1
64	S-10N-C002-3.0-4.0	11/03/10	13:20	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-C3	1
65	S-10N-C003-2.0-3.0	11/03/10	14:02	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-D2	1
66	S-10N-C003-3.0-3.9	11/03/10	14:02	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-D2	1
67	S-10N-C004-2.0-3.0	11/03/10	13:03	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-D3	1
68	S-10N-C004-3.0-3.6	11/03/10	13:03	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-D3	1
69	S-10N-C005-2.0-3.0	11/03/10	15:10	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-E2	1
70	S-10N-C005-3.0-4.0	11/03/10	15:10	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-E2	1
71	S-10N-C006-2.0-3.0	11/03/10	12:46	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-E3	1
72	S-10N-C006-3.0-3.9	11/03/10	12:46	SED	KGM	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	BH-E3	1

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

FORM NO: 01-01 (I-HJ)
(rev. 28-APR-09)

Date Rec'd in Lab ALPHA Job # 10191313

Report Information Data Deliverables Billing Information

☐ FAX☒ EMAIL☒ Same as Client info

PO #:

☒ ADEx☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

FED

ANALYSIS

SAMPLE HANDLING

Filtration

☐ Done☒ Not Needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

BH-C3	1
BH-C3	1
BH-D2	1
BH-D2	1
BH-D3	1
BH-D3	1
BH-E2	1
BH-E2	1
BH-E3	1
BH-E3	1

Please print clearly (boldly) and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

SDMS REPOSITORY TARGET SHEET

US EPA New England
Superfund Document Management System /
RCRA Document Management System
Native Files Target Sheet

SDMS Document ID #: 535502

Site Name: NEW BEDFORD

File Type(s) Attached (examples: Excel file or .jpg): Excel file
L1112348_nbh.csv

Document Type this Target Sheet Represents:

☐ Map ☐ Photograph ☐ Graph/Chart
☐ Video ☐ Compact Disc ☒ Other (Specify
below)

Description or Comments: FINAL SEDIMENT MONITORING
SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
(OU1) (02/01/2013 COVER PAGE ATTACHED)

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SAMP_ID	RECEIPT_DATE	PREP_METH	ANALYSIS_METH	LAB_QC_CODE	FRACTION	DILUTION	CAS	ANALYTE	VALUE	LAB_QUAL	DETECT_LIMIT	DETECT_LIMIT_CODE	UNIT	ANALYSIS_DATE	SDG	LAB_SAMP_ID	LAB	SAMP_PREP_DATE	SAMP_WGT_VOL	SAMP_WGT_VOL_UNIT	EMPC	REPORT_YN	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	83-32-9	Acenaphthene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	56-55-3	Benz(a)anthracene	7110		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	1310		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	4165-60-0	Nitrobenzene-d5	70			RL	PCT_REC	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		N	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	52663-68-0	2,2',3,4',5,5',6-Heptacb	29.6	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	52663-78-2	2,2',3,3',4,4',5,6-Octacb	28.2	DU	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	7012-37-5	2,4,4'-Tricb	28.2	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_Air	Solids, Total	92.4		0.1	RL	PCT	8/17/2011	L1112348	L1112348-01	AAL		5	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	51-28-5	2,4-Dinitrophenol	3180	U	3180	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	103-33-3	Azobenzene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	205-99-2	Benzo(b)fluoranthene	7360		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	41464-39-5	2,2',3,5'-Tetracb	75.9	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	31508-00-6	2,3',4,4',5-Pentacb	210	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	35065-29-3	2,2',3,4,4',5,5'-Heptacb	31.6	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	108-95-2	Phenol	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	86-73-7	Fluorene	1130		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	117-84-0	Di-n-octylphthalate	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	207-08-9	Benzo(k)fluoranthene	3020		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	35693-99-3	2,2',5,5'-Tetracb	168	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	106-47-8	4-Chloroaniline	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	35065-30-6	2,2',3,3',4,4',5'-Heptacb	54.3	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	166	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	606-20-2	2,6-Dinitrotoluene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	100-02-7	4-Nitrophenol	1590	U	1590	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	132-64-9	Dibenzofuran	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	85-01-8	Phenanthrene	7770		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	34883-43-7	2,4'-Dicb	28.2	DU	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	88-75-5	2-Nitrophenol	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	35065-27-1	2,2',4,4',5,5'-Hexacb	87.3	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	CS-10386-84-2	DBOB	119	D		RL	PCT_REC	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		N	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	131-11-3	Dimethylphthalate	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	121-14-2	2,4-Dinitrotoluene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	367-12-4	2-Fluorophenol	36			RL	PCT_REC	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		N	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	28			RL	PCT_REC	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		N	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	35065-28-2	2,2',3,4',4,5'-Hexacb	160	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	67-72-1	Hexachloroethane	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	118-74-1	Hexachlorobenzene	796	U	796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	87-86-5	Pentachlorophenol	3180	U	3180	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	129-00-0	Pyrene	12100		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	218-01-9	Chrysene	7810		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	3760		796	RL	UG/KG	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8270C	SA	TOTAL	1	1718-51-0	Terphenyl-d14	76			RL	PCT_REC	8/23/2011	L1112348	L1112348-01	AAL	8/17/2011	5.44	G		N	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	32598-10-0	2,3',4,4'-Tetracb	165	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 8082 Cong	SADL1	TOTAL	20	37680-73-2	2,2,4,5,5'-Pentacb	173	D	28.2	RL	UG/KG	8/24/2011	L1112348	L1112348-01	AAL	8/17/2011	30.66	G		Y	
S-100-C047-2.0-3.0	11/23/2010	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	49.4		0.1	RL	PCT	8/15/2011	L1112348	L1112348-01	AAL		5	G		Y	
S-100-C047-2.0-3.0	11/23/2010		3570 827																				

S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	91-20-3	Naphthalene	864			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	121-14-2	2,4-Dinitrotoluene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	118-74-1	Hexachlorobenzene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	56-55-3	Benz(a)anthracene	7690			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	117-84-0	Di-n-octylphthalate	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	207-08-9	Benzo(k)fluoranthene	4320			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	50-32-8	Benzo(a)pyrene	5880			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	4570			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	67-72-1	Hexachloroethane	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	88-75-5	2-Nitrophenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	84-66-2	Diethylphthalate	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	120-12-7	Anthracene	2260			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	206-44-0	Fluoranthene	12700			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	129-00-0	Pyrene	13400			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	85-68-7	Butylbenzylphthalate	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	321-60-8	2-Fluorobiphenyl	67				RL	PCT REC	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		N	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	34883-43-7	2,4'-Dicb	8.18			1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	2051-24-3	Decacb - Congener	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	2.28			1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	NO_PREP	Percent So	SA	TOTAL	1	PCT SOLIDS	Solids, Total	49			0.1	RL	PCT	8/15/2011	L1112348	L1112348-02	AAL		5	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	91-58-7	2-Chloronaphthalene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	4270			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	48				RL	PCT REC	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		N	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	37680-65-2	2,2',5-Tricb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	1.52			1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	98-86-2	Acetophenone	1810			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	106-44-5	4-Methylphenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	98-95-3	Nitrobenzene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	106-47-8	4-Chloroaniline	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	83-32-9	Acenaphthene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	85-01-8	Phenanthrene	8900			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	218-01-9	Chrysene	8650			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	4165-60-0	Nitrobenzene-d5	70				RL	PCT REC	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		N	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	1.94			1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8082 Cong	SA	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	1.48	U		1.48	RL	UG/KG	8/25/2011	L1112348	L1112348-02	AAL	8/17/2011	30.22	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	62-53-3	Aniline	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	95-57-8	2-Chlorophenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	103-33-3	Azobenzene	848	U		848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	205-99-2	Benzo(b)fluoranthene	6450			848	RL	UG/KG	8/23/2011	L1112348	L1112348-02	AAL	8/17/2011	5.28	G		Y	
S-100-C047-3.0-3.6	11/23/2010	3570	8270C	SA	TOTAL	1	1718-51-0																	

S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	37			RL		PCT_REC	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		N	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	35065-30-6	2,2',3,3',4,4',5-Heptacb	123	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	95-48-7	2-Methylphenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-57-6	2-Methylnaphthalene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	218-01-9	Chrysene	6490			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	207-08-9	Benzo(k)fluoranthene	3510			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	50-32-8	Benzo(a)pyrene	4480			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	965			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	321-60-8	2-Fluorobiphenyl	59				RL	PCT_REC	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		N	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	35065-29-3	2,2',3,4,4',5,5'-Heptacb	174	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	7012-37-5	2,4,4'-Tricb	1340	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	CS-68194-17-2	2,2',3,3',4,4',5,5',6-Octachlorobip	0	D			RL	PCT_REC	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		N	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	106-44-5	4-Methylphenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	121-14-2	2,4-Dinitrotoluene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	86-73-7	Fluorene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	117-84-0	Di-n-octylphthalate	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	108	DU		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	2051-24-3	Decacb - Congener	108	DU		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	NO PREP	2540G	SA	TOTAL	1	PCT SOLIDS CONG AIR	Solids, Total	95.9			0.1	RL	PCT	8/17/2011	L1112348	L1112348-03	AAL		5	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	62-53-3	Aniline	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	67-72-1	Hexachloroethane	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	78-59-1	Isophorone	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-20-3	Naphthalene	1030			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	83-32-9	Acenaphthene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	132-64-9	Dibenzofuran	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	205-99-2	Benzo(b)fluoranthene	4860			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	37680-65-2	2,2',5-Tricb	626	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	35693-99-3	2,2',5,5'-Tetracb	1980	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	32598-10-0	2,3',4,4'-Tetracb	1080	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	35065-27-1	2,2',4,4',5,5'-Hexacb	673	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	88-75-5	2-Nitrophenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-58-7	2-Chloronaphthalene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	131-11-3	Dimethylphthalate	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	208-96-8	Acenaphthylene	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	100-02-7	4-Nitrophenol	1570	U		1570	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	85-01-8	Phenanthrene	7600			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	56-55-3	Benz(a)anthracene	5200			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	37800			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	52663-68-0	2,2',3,4',5,5',6-Heptacb	140	D		108	RL	UG/KG	8/24/2011	L1112348	L1112348-03	AAL	8/17/2011	30.89	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	95-57-8	2-Chlorophenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	105-67-9	2,4-Dimethylphenol	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	106-47-8	4-Chloroaniline	787	U		787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	120-12-7	Anthracene	1440			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	3010			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	2740			787	RL	UG/KG	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		Y	
S-100-C051-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	367-12-4	2-Fluorophenol	41				RL	PCT_REC	8/23/2011	L1112348	L1112348-03	AAL	8/17/2011	5.3	G		N	
S-100-C051-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	80	31508-00-6	2,3',4,4',5-Pent																

S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	606-20-2	2,6-Dinitrotoluene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	31508-00-6	2,3',4,4',5-Pentacb	478	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	35065-29-3	2,2',3,4,4',5,5'-Heptacb	72.4	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	35065-30-6	2,2',3,3',4,4',5-Heptacb	55.3	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	34883-43-7	2,4'-Dicb	103	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	32598-14-4	2,3,3',4,4'-Pentacb	95.3	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIR	Solids, Total	93.6			0.1	RL	PCT	8/17/2011	L1112348	L1112348-04	AAL		5	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	62-53-3	Aniline	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	95-57-8	2-Chlorophenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	120-83-2	2,4-Dichlorophenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	88-06-2	2,4,6-Trichlorophenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	121-14-2	2,4-Dinitrotoluene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	103-33-3	Azobenzene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	193-39-5	Indeno(1,2,3-cd)Pyrene	4240	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	38380-07-3	2,2',3,3',4,4'-Hexacb	67.8	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	32598-10-0	2,3',4,4'-Tetracb	584	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	CS-10386-84-2	DBOB	0	D			RL	PCT_REC	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		N	
S-100-C053-2.0-3.2	11/23/2010	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	41.5			0.1	RL	PCT	8/15/2011	L1112348	L1112348-04	AAL		5	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	67-72-1	Hexachloroethane	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	91-20-3	Naphthalene	1630	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	101-55-3	4-Bromophenyl-phenylether	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	85-01-8	Phenanthrene	15400	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	129-00-0	Pyrene	14800	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	56-55-3	Benz(a)anthracene	7700	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	117-81-7	Bis(2-Ethylhexyl)phthalate	36700	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	205-99-2	Benzo(b)fluoranthene	5980	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	191-24-2	Benzo(ghi)perylene	4100	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	1718-51-0	Terphenyl-d14	76	D			RL	PCT_REC	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		N	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	37680-65-2	2,2',5-Tricb	288	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	35065-28-2	2,2',3,4',4,5'-Hexacb	283	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	7012-37-5	2,4,4'-Tricb	592	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	35693-99-3	2,2',5,5'-Tetracb	880	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	37680-73-2	2,2,4,5,5'-Pentacb	523	D		55.3	RL	UG/KG	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	95-95-4	2,4,5-Trichlorophenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	51-28-5	2,4-Dinitrophenol	3240	DU		3240	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	118-79-6	2,4,6-Tribromophenol	64	D			RL	PCT_REC	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		N	
S-100-C053-2.0-3.2	11/23/2010	3570	8082 Cong	SADL1	TOTAL	40	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobi	0	D			RL	PCT_REC	8/24/2011	L1112348	L1112348-04	AAL	8/17/2011	30.93	G		N	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	V-541-73-1	1,3-Dichlorobenzene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	106-44-5	4-Methylphenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	105-67-9	2,4-Dimethylphenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	V-87-68-3	Hexachlorobutadiene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	V-106-46-7	1,4-Dichlorobenzene	1010	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	95-48-7	2-Methylphenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	108-60-1	Bis(2-chloroisopropyl)ether	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	98-86-2	Acetophenone	1290	D		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	98-95-3	Nitrobenzene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	88-75-5	2-Nitrophenol	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	V-120-82-1	1,2,4-Trichlorobenzene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	208-96-8	Acenaphthylene	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	100-02-7	4-Nitrophenol	1620	DU		1620	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C053-2.0-3.2	11/23/2010	3570	8270C	SADL1	TOTAL	4	84-66-2	Diethylphthalate	809	DU		809	RL	UG/KG	8/31/2011	L1112348	L1112348-04	AAL	8/26/2011	5.28	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	100-02-7	4-Nitrophenol	1560	U		1560	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	87-86-5	Pentachlorophenol	3110	U		3110	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/20					

S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	206-44-0	Fluoranthene	10200			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	129-00-0	Pyrene	10400			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	3140			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	52663-68-0	2,2',3,4',5,5',6-Heptacb	284	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	35065-29-3	2,2',3,4,4',5,5'-Heptacb	284	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	284	DU		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	37680-73-2	2,2,4,5,5'-Pentacb	792	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	32598-14-4	2,3,3',4,4'-Pentacb	284	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobi	0	D			RL	PCT_REC	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		N	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	85-68-7	Butylbenzylphthalate	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	207-08-9	Benzo(k)fluoranthene	3700			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	321-60-8	2-Fluorobiphenyl	65				RL	PCT_REC	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		N	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	4165-60-0	Nitrobenzene-d5	67				RL	PCT_REC	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		N	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	35065-27-1	2,2',4,4',5,5'-Hexacb	553	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	52663-78-2	2,2',3,3',4,4',5,6-Octacb	284	DU		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	98-86-2	Acetophenone	1180	B		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	106-44-5	4-Methylphenol	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-20-3	Naphthalene	868			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	83-32-9	Acenaphthene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	132-64-9	Dibenzofuran	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	218-01-9	Chrysene	6140			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	50-32-8	Benzo(a)pyrene	4440			778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	43				RL	PCT_REC	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		N	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	31508-00-6	2,3',4,4',5-Pentacb	567	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	35065-30-6	2,2',3,3',4,4',5-Heptacb	284	DU		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	NO_PREP	Percent So	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	39.7			0.1		PCT	8/15/2011	L1112348	L1112348-05	AAL		5	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-57-6	2-Methylnaphthalene	778	U		778	RL	UG/KG	8/23/2011	L1112348	L1112348-05	AAL	8/17/2011	5.6	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	2051-24-3	Decacb - Congener	284	DU		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-2.0-3.0	11/23/2010	3570	8082 Cong	SADL1	TOTAL	200	32598-10-0	2,3',4,4'-Tetracb	1250	D		284	RL	UG/KG	8/24/2011	L1112348	L1112348-05	AAL	8/17/2011	30.68	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	51-28-5	2,4-Dinitrophenol	3200	U		3200	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	132-64-9	Dibenzofuran	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	121-14-2	2,4-Dinitrotoluene	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	50-32-8	Benzo(a)pyrene	5590			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	29				RL	PCT_REC	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		N	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	31508-00-6	2,3',4,4',5-Pentacb	50.1	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	35065-29-3	2,2',3,4,4',5,5'-Heptacb	28.4	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	41464-39-5	2,2',3,5'-Tetracb	79.2	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	37680-73-2	2,2,4,5,5'-Pentacb	70.9	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	52663-78-2	2,2',3,3',4,4',5,6-Octacb	28.4	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	CS-10386-84-2	DBOB	134	D			RL	PCT_REC	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		N	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	98-86-2	Acetophenone	1070	B		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	98-95-3	Nitrobenzene	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G			

S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	367-12-4	2-Fluorophenol	35			RL		PCT_REC	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		N	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	52663-68-0	2,2',3,4',5,5',6-Heptacb	28.4	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	32598-14-4	2,3,3',4,4'-Pentacb	28.4	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	62-53-3	Aniline	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	95-48-7	2-Methylphenol	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	106-44-5	4-Methylphenol	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	131-11-3	Dimethylphthalate	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	86-73-7	Fluorene	1590			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	218-01-9	Chrysene	9330			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	4280			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	4165-60-0	Nitrobenzene-d5	55				RL	PCT_REC	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		N	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	28.4	DU		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	105-67-9	2,4-Dimethylphenol	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	84-74-2	Di-n-butylphthalate	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	799	U		799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	1180			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	4000			799	RL	UG/KG	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		Y	
S-100-C071-3.0-3.9	11/23/2010	3570	8270C	SA	TOTAL	1	1718-51-0	Terphenyl-d14	62				RL	PCT_REC	8/23/2011	L1112348	L1112348-06	AAL	8/17/2011	5.38	G		N	
S-100-C071-3.0-3.9	11/23/2010	3570	8082 Cong	SADL1	TOTAL	20	37680-65-2	2,2',5-Tricb	111	D		28.4	RL	UG/KG	8/24/2011	L1112348	L1112348-06	AAL	8/17/2011	30.29	G		Y	
S-100-C071-3.0-3.9	11/23/2010	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIR	Solids, Total	93			0.1	RL	PCT	8/17/2011	L1112348	L1112348-06	AAL		5	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-20-3	Naphthalene	1310			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	131-11-3	Dimethylphthalate	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	129-00-0	Pyrene	11200			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	218-01-9	Chrysene	7980			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	321-60-8	2-Fluorobiphenyl	72				RL	PCT_REC	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		N	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-30-6	2,2',3,3',4,4',5'-Heptacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	CS-10386-84-2	DBOB	99				RL	PCT_REC	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		N	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	62-53-3	Aniline	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	78-59-1	Isophorone	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	106-47-8	4-Chloroaniline	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-57-6	2-Methylnaphthalene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-58-7	2-Chloronaphthalene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	84-66-2	Diethylphthalate	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	118-74-1	Hexachlorobenzene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	85-01-8	Phenanthrene	8990			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	208-96-8	Acenaphthylene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	606-20-2	2,6-Dinitrotoluene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	4165-60-0	N																

S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	2051-24-3	Decacb - Congener	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	108-95-2	Phenol	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	100-02-7	4-Nitrophenol	1570	U		1570	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	87-86-5	Pentachlorophenol	3130	U		3130	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	3540			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	1120			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	1.36	U		1.36	RL	UG/KG	8/24/2011	L1112348	L1112348-07	AAL	8/17/2011	30.05	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	88-75-5	2-Nitrophenol	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-87-68-3	Hexachlorobutadiene	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	85-68-7	Butylbenzylphthalate	783	U		783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-2.0-3.0	11/23/2010	3570	8270C	SA	TOTAL	1	56-55-3	Benz(a)anthracene	5880			783	RL	UG/KG	8/26/2011	L1112348	L1112348-07	AAL	8/17/2011	5.2	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-30-6	2,2',3,3',4,4',5'-Heptacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	1718-51-0	Terphenyl-d14	74				RL	PCT_REC	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		N	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	34883-43-7	2,4'-Dicb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	31508-00-6	2,3',4,4',5'-Pentacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	52663-68-0	2,2',3,4',5,5',6'-Heptacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	108-95-2	Phenol	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	88-75-5	2-Nitrophenol	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	120-83-2	2,4-Dichlorophenol	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-57-6	2-Methylnaphthalene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	120-12-7	Anthracene	1200			738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	84-74-2	Di-n-butylphthalate	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	2051-24-3	Decacb - Congener	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	95-57-8	2-Chlorophenol	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	105-67-9	2,4-Dimethylphenol	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	321-60-8	2-Fluorobiphenyl	66				RL	PCT_REC	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		N	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	4165-62-2	Phenol-d5	56				RL	PCT_REC	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		N	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	4165-60-0	Nitrobenzene-d5	68				RL	PCT_REC	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		N	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	118-79-6	2,4,6-Tribromophenol	39				RL	PCT_REC	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		N	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	7012-37-5	2,4,4'-Tricb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_Air	Solids, Total	96.2			0.1	RL	PCT	8/17/2011	L1112348	L1112348-08	AAL		5	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-20-3	Naphthalene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-58-7	2-Chloronaphthalene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	131-11-3	Dimethylphthalate	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	83-32-9	Acenaphthene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	86-73-7	Fluorene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	118-74-1	Hexachlorobenzene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	87-86-5	Pentachlorophenol	2950	U		2950	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	56-55-3	Benz(a)anthracene	2560			738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	191-24-2	Benzo(ghi)perylene	1180			738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1</																		

S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	84-66-2	Diethylphthalate	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8270C	SA	TOTAL	1	103-33-3	Azobenzene	738	U		738	RL	UG/KG	8/23/2011	L1112348	L1112348-08	AAL	8/17/2011	5.63	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-10N-C005-3.0-4.0	11/23/2010	3570	8082 Cong	SA	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.38	U		1.38	RL	UG/KG	8/25/2011	L1112348	L1112348-08	AAL	8/17/2011	30.17	G		Y	
S-100-C047-2.0-3.0-DU	10/25/2011	NO_PREP	2540G	DUP	TOTAL	1	PCT_SOLIDS_CONG_AIR	Solids, Total	92.4			0.1	RL	PCT	8/17/2011	L1112348	WG484949-1	AAL		5	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	2051-24-3	Decacb - Congener	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	37680-65-2	2,2',5-Tricb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobip	112				RL	PCT REC	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	34883-43-7	2,4'-Dicb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	7012-37-5	2,4,4'-Tricb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	31508-00-6	2,3',4,4',5'-Pentacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	CS-10386-84-2	DBOB	85				RL	PCT REC	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	35065-30-6	2,2',3,3',4,4',5'-Heptacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	MB	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,6'-Nonacb	1.33	U		1.33	RL	UG/KG	8/23/2011	L1112348	WG484969-1	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	37680-65-2	2,2',5-Tricb	80			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	7012-37-5	2,4,4'-Tricb	72			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	75			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	80			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	109			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	2051-24-3	Decacb - Congener	88			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	76			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	80			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-30-6	2,2',3,3',4,4',5'-Heptacb	88			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	31508-00-6	2,3',4,4',5'-Pentacb	98			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	81			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	34883-43-7	2,4'-Dicb	76			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	74			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	83			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	105			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	CS-10386-84-2	DBOB	75				RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	80			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobip	99				RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	95			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	103			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-2	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	73			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	77			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	70			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobip	95				RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	92			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	76			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	37680-65-2	2,2',5-Tricb	79			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	106			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	7012-37-5	2,4,4'-Tricb	70			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	100			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	CS-10386-84-2	DBOB	71				RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011	3570	8082 Cong	LCS	TOTAL	1	35065-30-6	2,2',3,3',4,4',5'-Heptacb	86			1.33	RL	PCT REC	8/23/2011	L1112348	WG484969-3	AAL	8/17/2011	30	G		N	
	8/17/2011																							

S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	87.1		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	87.7		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	121		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,6-Nonacb	120		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	66.4		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobip	121			RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	2051-24-3	Decacb - Congener	112		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	96.3		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8082 Cong	MSD	TOTAL	1	34883-43-7	2,4'-Dicb	123		1.35	RL	PCT REC	8/24/2011	L1112348	WG484969-5	AAL	8/17/2011	30.17	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	606-20-2	2,6-Dinitrotoluene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	67-72-1	Hexachloroethane	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	207-08-9	Benzo(k)fluoranthene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	191-24-2	Benzo(ghi)perylene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	4165-60-0	Nitrobenzene-d5	67			RL	PCT REC	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	98-86-2	Acetophenone	330		200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	91-20-3	Naphthalene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	208-96-8	Acenaphthylene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	132-64-9	Dibenzofuran	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	120-12-7	Anthracene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	218-01-9	Chrysene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phtthalate	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	95-48-7	2-Methylphenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	106-47-8	4-Chloroaniline	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	91-57-6	2-Methylnaphthalene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	91-58-7	2-Chloronaphthalene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	100-02-7	4-Nitrophenol	400	U	400	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	84-74-2	Di-n-butylphtthalate	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	131-11-3	Dimethylphtthalate	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	84-66-2	Diethylphtthalate	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	4165-62-2	Phenol-d5	66			RL	PCT REC	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	1718-51-0	Terphenyl-d14	70			RL	PCT REC	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	51-28-5	2,4-Dinitrophenol	800	U	800	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	121-14-2	2,4-Dinitrotoluene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	85-01-8	Phenanthrene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	V-87-68-3	Hexachlorobutadiene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	87-86-5	Pentachlorophenol	800	U	800	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	85-68-7	Butylbenzylphtthalate	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	205-99-2	Benzo(b)fluoranthene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	321-60-8	2-Fluorobiphenyl	62			RL	PCT REC	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	367-12-4	2-Fluorophenol	57			RL	PCT REC	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	98-95-3	Nitrobenzene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	78-59-1	Isophorone	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	120-83-2	2,4-Dichlorophenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	62-53-3	Aniline	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	95-57-8	2-Chlorophenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	88-75-5	2-Nitrophenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	105-67-9	2,4-Dimethylphenol	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	103-33-3	Azobenzene	200	U	200	RL	UG/KG	8/25/2011	L1112348	WG484970-1	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	MB	TOTAL	1	129-00-0	Pyrene	200	U	200	RL											

	8/17/2011	3570	8270C	LCS	TOTAL	1	100-02-7	4-Nitrophenol	52			400	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	103-33-3	Azobenzene	55			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	54			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	85-01-8	Phenanthrene	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	85-68-7	Butylbenzylphthalate	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	205-99-2	Benzo(b)fluoranthene	62			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	4165-62-2	Phenol-d5	59				RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	367-12-4	2-Fluorophenol	51				RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	1718-51-0	Terphenyl-d14	60				RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	95-48-7	2-Methylphenol	49			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	67-72-1	Hexachloroethane	54			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	50			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	V-87-68-3	Hexachlorobutadiene	54			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	52			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	91-20-3	Naphthalene	61			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	56			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	51			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	106-44-5	4-Methylphenol	50			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	51			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	132-64-9	Dibenzofuran	51			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	120-12-7	Anthracene	58			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	84-74-2	Di-n-butylphthalate	57			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	206-44-0	Fluoranthene	61			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	56-55-3	Benz(a)anthracene	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	84-66-2	Diethylphthalate	56			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	86-73-7	Fluorene	57			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	52			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	105-67-9	2,4-Dimethylphenol	37			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	120-83-2	2,4-Dichlorophenol	52			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	131-11-3	Dimethylphthalate	51			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	207-08-9	Benzo(k)fluoranthene	64			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	129-00-0	Pyrene	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	117-84-0	Di-n-octylphthalate	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	56			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	37			200	RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	4165-60-0	Nitrobenzene-d5	58				RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCS	TOTAL	1	118-79-6	2,4,6-Tribromophenol	55				RL	PCT REC	8/25/2011	L1112348	WG484970-2	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	72			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	98-95-3	Nitrobenzene	69			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	321-60-8	2-Fluorobiphenyl	67					PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	4165-60-0	Nitrobenzene-d5	72				RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	74			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	105-67-9	2,4-Dimethylphenol	37			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	63			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	63			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	95-95-4	2,4,5-Trichlorophenol	60			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	118-74-1	Hexachlorobenzene	65			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	47			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	4165-62-2	Phenol-d5	72				RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	95-48-7	2-Methylphenol	59			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	67-72-1	Hexachloroethane	69			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	67			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	120-83-2	2,4-Dichlorophenol	65			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	131-11-3	Dimethylphthalate	64			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	132-64-9	Dibenzofuran	63			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	84-66-2	Diethylphthalate	71			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	103-33-3	Azobenzene	68			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	86-73-7	Fluorene	70			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	66			200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	85-01-8	Phenanthrene	74			200	RL	PCT REC	8/25/2011	L								

	8/17/2011	3570	8270C	LCSD	TOTAL	1	218-01-9	Chrysene	95		200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	117-84-0	Di-n-octylphthalate	79		200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	205-99-2	Benzo(b)fluoranthene	77		200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
	8/17/2011	3570	8270C	LCSD	TOTAL	1	207-08-9	Benzo(k)fluoranthene	83		200	RL	PCT REC	8/25/2011	L1112348	WG484970-3	AAL	8/17/2011	5	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	62.2		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	367-12-4	2-Fluorophenol	31			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	84-74-2	Di-n-butylphthalate	68.2		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	206-44-0	Fluoranthene	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	44.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	36.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	191-24-2	Benzo(ghi)perylene	48.2		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	118-79-6	2,4,6-Tribromophenol	28			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	95-48-7	2-Methylphenol	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	98-86-2	Acetophenone	31.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	67-72-1	Hexachloroethane	60.1		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	321-60-8	2-Fluorobiphenyl	66			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	62-53-3	Aniline	50.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	95-57-8	2-Chlorophenol	49.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	78-59-1	Isophorone	70		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	88-75-5	2-Nitrophenol	58.1		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	106-47-8	4-Chloroaniline	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	208-96-8	Acenaphthylene	76.5		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	207-08-9	Benzo(k)fluoranthene	35.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	98-95-3	Nitrobenzene	65.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	51-28-5	2,4-Dinitrophenol	0		3080	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	103-33-3	Azobenzene	85.8		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	72.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	63.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	78.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	91-58-7	2-Chloronaphthalene	66.4		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	606-20-2	2,6-Dinitrotoluene	61.7		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	100-02-7	4-Nitrophenol	49.8		1540	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	121-14-2	2,4-Dinitrotoluene	55.7		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	86-73-7	Fluorene	74.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	87-86-5	Pentachlorophenol	0		3080	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSDL2	TOTAL	2	117-81-7	Bis(2-Ethylhexyl)phthalate	0	D	1540	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	117-84-0	Di-n-octylphthalate	78.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	1718-51-0	Terphenyl-d14	70			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	31.1		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	83-32-9	Acenaphthene	88.1		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	120-12-7	Anthracene	69.2		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	85-68-7	Butylbenzylphthalate	79.1		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	205-99-2	Benzo(b)fluoranthene	22.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	106-44-5	4-Methylphenol	22.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	4165-62-2	Phenol-d5	56			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	4165-60-0	Nitrobenzene-d5	69			RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	108-95-2	Phenol	57		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	25.7		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	60.4		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	84-66-2	Diethylphthalate	68.2		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	56-55-3	Benz(a)anthracene	29.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	64.6		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	105-67-9	2,4-Dimethylphenol	0		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011	5.28	G		N	
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MS	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	64.3		771	RL	PCT REC	8/26/2011	L1112348	WG484970-4	AAL	8/17/2011					

S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	95-48-7	2-Methylphenol	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	129-00-0	Pyrene	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	218-01-9	Chrysene	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	51-28-5	2,4-Dinitrophenol	0		2940	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	86-73-7	Fluorene	65.6		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	367-12-4	2-Fluorophenol	33			RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	1718-51-0	Terphenyl-d14	71			RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	91-58-7	2-Chloronaphthalene	66.8		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	83-32-9	Acenaphthene	86.9		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	85-01-8	Phenanthrene	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	117-84-0	Di-n-octylphthalate	76.8		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	108-95-2	Phenol	54.5		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	98-86-2	Acetophenone	17.2		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	606-20-2	2,6-Dinitrotoluene	57.2		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSDDL2	TOTAL	2	117-81-7	Bis(2-Ethylhexyl)phthalate	0	D	1470	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	191-24-2	Benzo(ghi)perylene	25.9		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	62.7		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	88-75-5	2-Nitrophenol	54		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	120-83-2	2,4-Dichlorophenol	46.6		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	60		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	V-87-68-3	Hexachlorobutadiene	64.9		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	78-59-1	Isophorone	68.4		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	106-47-8	4-Chloroaniline	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	88-06-2	2,4,6-Trichlorophenol	34.9		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	62.1		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	105-67-9	2,4-Dimethylphenol	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	208-96-8	Acenaphthylene	73.6		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	205-99-2	Benzo(b)fluoranthene	0		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	207-08-9	Benzo(k)fluoranthene	10.9		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	50-32-8	Benzo(a)pyrene	1.09		734	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	100-02-7	4-Nitrophenol	43.3		1470	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	87-86-5	Pentachlorophenol	0		2940	RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
S-10N-C005-2.0-3.0-MS	11/3/2011	3570	8270C	MSD	TOTAL	1	4165-62-2	Phenol-d5	57			RL	PCT_REC	8/26/2011	L1112348	WG484970-5	AAL	8/17/2011	5.55	G		N		
	8/26/2011	3570	8270C	MB	TOTAL	1	106-44-5	4-Methylphenol	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	4165-60-0	Nitrobenzene-d5	69			RL	PCT_REC	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N		
	8/26/2011	3570	8270C	MB	TOTAL	1	91-57-6	2-Methylnaphthalene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	121-14-2	2,4-Dinitrotoluene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	103-33-3	Azobenzene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	56-55-3	Benz(a)anthracene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	207-08-9	Benzo(k)fluoranthene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	50-32-8	Benzo(a)pyrene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	108-95-2	Phenol	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	91-58-7	2-Chloronaphthalene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	132-64-9	Dibenzofuran	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	118-74-1	Hexachlorobenzene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	129-00-0	Pyrene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	1718-51-0	Terphenyl-d14	80			RL	PCT_REC	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N		
	8/26/2011	3570	8270C	MB	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	131-11-3	Dimethylphthalate	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	208-96-8	Acenaphthylene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	606-20-2	2,6-Dinitrotoluene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	51-28-5	2,4-Dinitrophenol	800	U		800	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	MB	TOTAL	1	86-73-7	Fluorene	200	U		200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/																							

	8/26/2011	3570	8270C	MB	TOTAL	1	78-59-1	Isophorone	200	U			200	RL	UG/KG	8/31/2011	L1112348	WG486732-1	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	98-86-2	Acetophenone	81				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	78-59-1	Isophorone	85				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	91-57-6	2-Methylnaphthalene	71				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	108-95-2	Phenol	75				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	74				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	120-83-2	2,4-Dichlorophenol	80				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	106-47-8	4-Chloroaniline	56				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	V-87-68-3	Hexachlorobutadiene	89				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	132-64-9	Dibenzofuran	72				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	103-33-3	Azobenzene	75				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	85-01-8	Phenanthrene	80				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	84-74-2	Di-n-butylphthalate	78				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	206-44-0	Fluoranthene	84				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	62-53-3	Aniline	53				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	111-44-4	Bis(2-chloroethyl)ether	70				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	131-11-3	Dimethylphthalate	72				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	101-55-3	4-Bromophenyl-phenylether	79				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	118-74-1	Hexachlorobenzene	80				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	87-86-5	Pentachlorophenol	51				800	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	91-94-1	3,3'-Dichlorobenzidine	74				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	207-08-9	Benzo(k)fluoranthene	83				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	53-70-3	Dibenzo(a,h)anthracene	53				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	121-14-2	2,4-Dinitrotoluene	81				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	85-68-7	Butylbenzylphthalate	84				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	56-55-3	Benz(a)anthracene	83				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	205-99-2	Benzo(b)fluoranthene	86				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	106-44-5	4-Methylphenol	69				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	105-67-9	2,4-Dimethylphenol	57				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	120-12-7	Anthracene	78				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	191-24-2	Benzo(ghi)perylene	80				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	91-20-3	Naphthalene	87				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	83-32-9	Acenaphthene	77				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	51-28-5	2,4-Dinitrophenol	20				800	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	100-02-7	4-Nitrophenol	74				400	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	129-00-0	Pyrene	81				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	218-01-9	Chrysene	104				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	50-32-8	Benzo(a)pyrene	82				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	193-39-5	Indeno(1,2,3-cd)Pyrene	82				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	321-60-8	2-Fluorobiphenyl	77					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	1718-51-0	Terphenyl-d14	84					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	84-66-2	Diethylphthalate	79				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	117-81-7	Bis(2-Ethylhexyl)phthalate	83				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	118-79-6	2,4,6-Tribromophenol	86					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	117-84-0	Di-n-octylphthalate	82				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	4165-60-0	Nitrobenzene-d5	78					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	95-48-7	2-Methylphenol	71				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	V-120-82-1	1,2,4-Trichlorobenzene	77				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	208-96-8	Acenaphthylene	77				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	86-73-7	Fluorene	80				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	4165-62-2	Phenol-d5	81					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	367-12-4	2-Fluorophenol	79					RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	95-57-8	2-Chlorophenol	76				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	72				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	74				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	71				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	98-95-3	Nitrobenzene	74				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	88-75-5	2-Nitrophenol	78				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	76				200	RL	PCT REC	8/31/2011	L1112348	WG486732-2	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCS	TOTAL	1	67-72-1	Hexachloroethane	75				200	RL	PCT REC	8/31/2011	L111234								

	8/26/2011	3570	8270C	LCSD	TOTAL	1	4165-60-0	Nitrobenzene-d5	74			RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	106-47-8	4-Chloroaniline	54		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	V-87-68-3	Hexachlorobutadiene	84		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	131-11-3	Dimethylphthalate	68		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	121-14-2	2,4-Dinitrotoluene	75		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	84-74-2	Di-n-butylphthalate	71		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	86-73-7	Fluorene	75		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	118-74-1	Hexachlorobenzene	76		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	87-86-5	Pentachlorophenol	41		800	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	53-70-3	Dibenz(a,h)anthracene	49		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	4165-62-2	Phenol-d5	78			RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	117-84-0	Di-n-octylphthalate	76		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	207-08-9	Benzo(k)fluoranthene	82		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	129-00-0	Pyrene	76		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	218-01-9	Chrysene	97		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	367-12-4	2-Fluorophenol	75			RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	1718-51-0	Terphenyl-d14	79			RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	206-44-0	Fluoranthene	79		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	56-55-3	Benz(a)anthracene	77		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	108-60-1	Bis(2-chloroisopropyl)ether	68		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	111-91-1	Bis(2-chloroethoxy)methane	72		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	83-32-9	Acenaphthene	72		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	321-60-8	2-Fluorobiphenyl	72			RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	95-57-8	2-Chlorophenol	72		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	98-86-2	Acetophenone	79		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	120-83-2	2,4-Dichlorophenol	76		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	91-57-6	2-Methylnaphthalene	69		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	V-106-46-7	1,4-Dichlorobenzene	71		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	V-95-50-1	1,2-Dichlorobenzene	71		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	
	8/26/2011	3570	8270C	LCSD	TOTAL	1	V-541-73-1	1,3-Dichlorobenzene	70		200	RL	PCT REC	8/31/2011	L1112348	WG486732-3	AAL	8/26/2011	5	G		N	



ANALYTICAL REPORT

Lab Number:	L1119291
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	12/21/11

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119291-01	S-11N-C001-0-0.5	NEW BEDFORD, MA	11/15/11 10:32
L1119291-02	S-11N-C002-0-0.5	NEW BEDFORD, MA	11/15/11 10:56
L1119291-03	S-11N-C002-0.5-1.0	NEW BEDFORD, MA	11/15/11 10:56
L1119291-04	S-11N-C003-0-0.5	NEW BEDFORD, MA	11/15/11 11:16
L1119291-05	S-11N-C004-0-0.5	NEW BEDFORD, MA	11/15/11 11:38
L1119291-06	S-11N-C005-0-0.5	NEW BEDFORD, MA	11/15/11 11:51
L1119291-07	S-11N-C006-0-0.5	NEW BEDFORD, MA	11/15/11 12:05
L1119291-08	S-11N-C007-0-0.5	NEW BEDFORD, MA	11/15/11 12:16
L1119291-09	S-11N-C008-0-0.5	NEW BEDFORD, MA	11/15/11 12:34
L1119291-10	S-11N-C009-0-0.5	NEW BEDFORD, MA	11/15/11 12:55
L1119291-11	S-11N-C010-0-0.5	NEW BEDFORD, MA	11/15/11 13:12
L1119291-12	S-11N-C010-0.5-1.0	NEW BEDFORD, MA	11/15/11 13:12
L1119291-13	S-11N-C011-0-0.5	NEW BEDFORD, MA	11/15/11 13:35
L1119291-14	S-11N-C012-0-0.5	NEW BEDFORD, MA	11/15/11 13:52
L1119291-15	S-11N-C013-0-0.5	NEW BEDFORD, MA	11/15/11 14:12
L1119291-16	S-11N-C013-0.5-1.0	NEW BEDFORD, MA	11/15/11 14:12
L1119291-17	S-11N-C014-0-0.5	NEW BEDFORD, MA	11/15/11 14:27
L1119291-18	S-11N-C014-0.5-1.0	NEW BEDFORD, MA	11/15/11 14:27

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 17, 2011 and initial percent solids were performed. The samples were placed in frozen storage after air-drying on November 21, 2011. Samples were removed from frozen storage on November 28, 2011 when they were removed to extract samples for PCB Congener analysis and analyze for air-dried percent solids.

PCB Congeners by GC/ECD

The PCB Congener analysis was performed utilizing dual column confirmation with the higher of the two values reported. Technical judgment was employed in the case of an observed interference. In each case that interference was observed on one column, the value from the opposite column was reported regardless of whether it was the higher or lower value.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

Case Narrative (continued)

L1119291-01, -04 through -18 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recoveries for L1119291-01, 04, through -18 are below the acceptance criteria due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The MS/MSD was not reported due to the high concentrations and dilution needed for the field sample utilized for MS/MSD.

The WG504994-2 LCS recoveries, associated with L1119291-12, are above the individual acceptance criteria for CI4-BZ#52 (194%), but within the overall method allowances. The results of the associated samples are reported.

The WG504994-3 LCS/LCSD RPD(s), associated with L1119291-12, are above the acceptance criteria for CI4-BZ#52 (32%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 12/21/11

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-01
Client ID: S-11N-C001-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 17:47
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:32
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	937		ug/kg	329	--	250
CI4-BZ#52	2530		ug/kg	329	--	250
CI5-BZ#105	ND		ug/kg	329	--	250
CI6-BZ#138	ND		ug/kg	329	--	250
CI7-BZ#187	ND		ug/kg	329	--	250
CI6-BZ#128	ND		ug/kg	329	--	250
CI7-BZ#180	ND		ug/kg	329	--	250
CI7-BZ#170	ND		ug/kg	329	--	250
CI8-BZ#195	ND		ug/kg	329	--	250
CI9-BZ#206	ND		ug/kg	329	--	250
CI10-BZ#209	ND		ug/kg	329	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-01
Client ID: S-11N-C001-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 17:47
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:32
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	399		ug/kg	329	--	250
Cl3-BZ#28	880		ug/kg	329	--	250
Cl4-BZ#44	744		ug/kg	329	--	250
Cl4-BZ#66	618		ug/kg	329	--	250
Cl5-BZ#101	365		ug/kg	329	--	250
Cl5-BZ#118	ND		ug/kg	329	--	250
Cl6-BZ#153	338		ug/kg	329	--	250

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-02
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 18:31
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	154		ug/kg	27.0	--	20
CI4-BZ#52	320		ug/kg	27.0	--	20
CI5-BZ#105	ND		ug/kg	27.0	--	20
CI6-BZ#138	30.8		ug/kg	27.0	--	20
CI7-BZ#187	ND		ug/kg	27.0	--	20
CI6-BZ#128	ND		ug/kg	27.0	--	20
CI7-BZ#180	ND		ug/kg	27.0	--	20
CI7-BZ#170	ND		ug/kg	27.0	--	20
CI8-BZ#195	ND		ug/kg	27.0	--	20
CI9-BZ#206	ND		ug/kg	27.0	--	20
CI10-BZ#209	ND		ug/kg	27.0	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	109		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-02
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 18:31
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	79.2		ug/kg	27.0	--	20
CI3-BZ#28	142		ug/kg	27.0	--	20
CI4-BZ#44	74.7		ug/kg	27.0	--	20
CI4-BZ#66	73.8		ug/kg	27.0	--	20
CI5-BZ#101	49.0		ug/kg	27.0	--	20
CI5-BZ#118	27.2		ug/kg	27.0	--	20
CI6-BZ#153	45.2		ug/kg	27.0	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	109		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-03
Client ID: S-11N-C002-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 19:16
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	10.1		ug/kg	2.68	--	2
CI4-BZ#52	30.8		ug/kg	2.68	--	2
CI5-BZ#118	10.9		ug/kg	2.68	--	2
CI6-BZ#138	9.92		ug/kg	2.68	--	2
CI6-BZ#128	ND		ug/kg	2.68	--	2
CI7-BZ#180	3.12		ug/kg	2.68	--	2
CI8-BZ#195	ND		ug/kg	2.68	--	2
CI9-BZ#206	ND		ug/kg	2.68	--	2
CI10-BZ#209	ND		ug/kg	2.68	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-03
Client ID: S-11N-C002-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 19:16
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	3.31		ug/kg	2.68	--	2
CI3-BZ#28	7.79		ug/kg	2.68	--	2
CI4-BZ#44	9.50		ug/kg	2.68	--	2
CI4-BZ#66	13.4		ug/kg	2.68	--	2
CI5-BZ#101	13.2		ug/kg	2.68	--	2
CI6-BZ#153	10.6		ug/kg	2.68	--	2
CI5-BZ#105	3.58		ug/kg	2.68	--	2
CI7-BZ#187	2.74		ug/kg	2.68	--	2
CI7-BZ#170	ND		ug/kg	2.68	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-04
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 20:00
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	639		ug/kg	270	--	200
CI3-BZ#18	1000		ug/kg	270	--	200
CI4-BZ#52	3110		ug/kg	270	--	200
CI5-BZ#118	307		ug/kg	270	--	200
CI5-BZ#105	ND		ug/kg	270	--	200
CI6-BZ#138	361		ug/kg	270	--	200
CI7-BZ#187	ND		ug/kg	270	--	200
CI6-BZ#128	ND		ug/kg	270	--	200
CI7-BZ#180	ND		ug/kg	270	--	200
CI7-BZ#170	ND		ug/kg	270	--	200
CI8-BZ#195	ND		ug/kg	270	--	200
CI9-BZ#206	ND		ug/kg	270	--	200
CI10-BZ#209	ND		ug/kg	270	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-04
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 20:00
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#28	826		ug/kg	270	--	200
Cl4-BZ#44	780		ug/kg	270	--	200
Cl4-BZ#66	612		ug/kg	270	--	200
Cl5-BZ#101	534		ug/kg	270	--	200
Cl6-BZ#153	444		ug/kg	270	--	200
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-05
Client ID: S-11N-C004-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 20:44
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:38
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2380		ug/kg	331	--	250
CI3-BZ#18	2230		ug/kg	331	--	250
CI5-BZ#118	ND		ug/kg	331	--	250
CI5-BZ#105	ND		ug/kg	331	--	250
CI6-BZ#138	497		ug/kg	331	--	250
CI7-BZ#187	ND		ug/kg	331	--	250
CI6-BZ#128	ND		ug/kg	331	--	250
CI7-BZ#180	ND		ug/kg	331	--	250
CI7-BZ#170	ND		ug/kg	331	--	250
CI8-BZ#195	ND		ug/kg	331	--	250
CI9-BZ#206	ND		ug/kg	331	--	250
CI10-BZ#209	ND		ug/kg	331	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-05
 Client ID: S-11N-C004-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/01/11 20:44
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 11:38
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1400		ug/kg	331	--	250
CI4-BZ#52	5260		ug/kg	331	--	250
CI4-BZ#44	1820		ug/kg	331	--	250
CI4-BZ#66	1020		ug/kg	331	--	250
CI5-BZ#101	690		ug/kg	331	--	250
CI6-BZ#153	559		ug/kg	331	--	250
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-06
Client ID: S-11N-C005-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/01/11 21:28
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 11:51
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1470		ug/kg	677	--	500
CI3-BZ#18	4040		ug/kg	677	--	500
CI4-BZ#52	11900		ug/kg	677	--	500
CI5-BZ#118	1520		ug/kg	677	--	500
CI5-BZ#105	ND		ug/kg	677	--	500
CI6-BZ#138	1100		ug/kg	677	--	500
CI7-BZ#187	ND		ug/kg	677	--	500
CI6-BZ#128	ND		ug/kg	677	--	500
CI7-BZ#180	ND		ug/kg	677	--	500
CI7-BZ#170	ND		ug/kg	677	--	500
CI8-BZ#195	ND		ug/kg	677	--	500
CI9-BZ#206	ND		ug/kg	677	--	500
CI10-BZ#209	ND		ug/kg	677	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-06
 Client ID: S-11N-C005-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/01/11 21:28
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 11:51
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3040		ug/kg	677	--	500
CI4-BZ#44	2580		ug/kg	677	--	500
CI4-BZ#66	2280		ug/kg	677	--	500
CI5-BZ#101	2140		ug/kg	677	--	500
CI6-BZ#153	2160		ug/kg	677	--	500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-07
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 11:36
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	26600		ug/kg	6800	--	5000
CI3-BZ#18	30400		ug/kg	6800	--	5000
CI4-BZ#52	63700		ug/kg	6800	--	5000
CI4-BZ#66	14600		ug/kg	6800	--	5000
CI5-BZ#118	ND		ug/kg	6800	--	5000
CI5-BZ#105	ND		ug/kg	6800	--	5000
CI6-BZ#138	ND		ug/kg	6800	--	5000
CI6-BZ#128	ND		ug/kg	6800	--	5000
CI7-BZ#180	ND		ug/kg	6800	--	5000
CI7-BZ#170	ND		ug/kg	6800	--	5000
CI8-BZ#195	ND		ug/kg	6800	--	5000
CI9-BZ#206	ND		ug/kg	6800	--	5000
CI10-BZ#209	ND		ug/kg	6800	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-07
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 11:36
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	22300		ug/kg	6800	--	5000
CI4-BZ#44	17800		ug/kg	6800	--	5000
CI5-BZ#101	9240		ug/kg	6800	--	5000
CI6-BZ#153	9180		ug/kg	6800	--	5000
CI7-BZ#187	ND		ug/kg	6800	--	5000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-08
Client ID: S-11N-C007-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 12:20
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 12:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2380		ug/kg	542	--	400
CI3-BZ#18	3200		ug/kg	542	--	400
CI4-BZ#52	7120		ug/kg	542	--	400
CI4-BZ#66	1560		ug/kg	542	--	400
CI5-BZ#118	564		ug/kg	542	--	400
CI5-BZ#105	ND		ug/kg	542	--	400
CI6-BZ#138	589		ug/kg	542	--	400
CI7-BZ#187	ND		ug/kg	542	--	400
CI6-BZ#128	ND		ug/kg	542	--	400
CI7-BZ#180	ND		ug/kg	542	--	400
CI7-BZ#170	ND		ug/kg	542	--	400
CI8-BZ#195	ND		ug/kg	542	--	400
CI9-BZ#206	ND		ug/kg	542	--	400
CI10-BZ#209	ND		ug/kg	542	--	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-08
Client ID: S-11N-C007-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 12:20
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 12:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3410		ug/kg	542	--	400
CI4-BZ#44	1710		ug/kg	542	--	400
CI5-BZ#101	937		ug/kg	542	--	400
CI6-BZ#153	860		ug/kg	542	--	400

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-09
Client ID: S-11N-C008-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 13:04
Analyst: AW
Percent Solids: 95%

Date Collected: 11/15/11 12:34
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2260		ug/kg	694	--	500
CI3-BZ#18	3610		ug/kg	694	--	500
CI4-BZ#52	9390		ug/kg	694	--	500
CI4-BZ#66	2480		ug/kg	694	--	500
CI5-BZ#118	1100		ug/kg	694	--	500
CI5-BZ#105	ND		ug/kg	694	--	500
CI6-BZ#138	ND		ug/kg	694	--	500
CI7-BZ#187	ND		ug/kg	694	--	500
CI6-BZ#128	ND		ug/kg	694	--	500
CI7-BZ#180	ND		ug/kg	694	--	500
CI7-BZ#170	ND		ug/kg	694	--	500
CI8-BZ#195	ND		ug/kg	694	--	500
CI9-BZ#206	ND		ug/kg	694	--	500
CI10-BZ#209	ND		ug/kg	694	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-09
Client ID: S-11N-C008-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 13:04
Analyst: AW
Percent Solids: 95%

Date Collected: 11/15/11 12:34
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	3200		ug/kg	694	--	500
CI4-BZ#44	2620		ug/kg	694	--	500
CI5-BZ#101	1730		ug/kg	694	--	500
CI6-BZ#153	1460		ug/kg	694	--	500

DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-10
Client ID: S-11N-C009-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 16:01
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:55
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	9710		ug/kg	2700	--	2000
CI3-BZ#18	13300		ug/kg	2700	--	2000
CI4-BZ#52	28200		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	ND		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-10
Client ID: S-11N-C009-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 16:01
Analyst: AW
Percent Solids: 97%

Date Collected: 11/15/11 12:55
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 12:00
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	12700		ug/kg	2700	--	2000
CI4-BZ#44	7060		ug/kg	2700	--	2000
CI4-BZ#66	6140		ug/kg	2700	--	2000
CI5-BZ#101	3920		ug/kg	2700	--	2000
CI5-BZ#118	ND		ug/kg	2700	--	2000
CI6-BZ#153	3760		ug/kg	2700	--	2000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-11
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 14:32
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	17300		ug/kg	3350	--	2500
CI3-BZ#18	23800		ug/kg	3350	--	2500
CI4-BZ#52	51100		ug/kg	3350	--	2500
CI5-BZ#118	ND		ug/kg	3350	--	2500
CI5-BZ#105	ND		ug/kg	3350	--	2500
CI6-BZ#138	3750		ug/kg	3350	--	2500
CI7-BZ#187	ND		ug/kg	3350	--	2500
CI6-BZ#128	ND		ug/kg	3350	--	2500
CI7-BZ#180	ND		ug/kg	3350	--	2500
CI7-BZ#170	ND		ug/kg	3350	--	2500
CI8-BZ#195	ND		ug/kg	3350	--	2500
CI9-BZ#206	ND		ug/kg	3350	--	2500
CI10-BZ#209	ND		ug/kg	3350	--	2500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-11
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 14:32
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	23400		ug/kg	3350	--	2500
CI4-BZ#44	12200		ug/kg	3350	--	2500
CI4-BZ#66	10300		ug/kg	3350	--	2500
CI5-BZ#101	6350		ug/kg	3350	--	2500
CI6-BZ#153	6480		ug/kg	3350	--	2500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-12
Client ID: S-11N-C010-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 02:37
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/29/11 11:42
Cleanup Method1: EPA 3630
Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	881		ug/kg	132	--	100
CI3-BZ#18	1440		ug/kg	132	--	100
CI4-BZ#52	2560		ug/kg	132	--	100
CI5-BZ#105	ND		ug/kg	132	--	100
CI6-BZ#138	182		ug/kg	132	--	100
CI7-BZ#187	ND		ug/kg	132	--	100
CI6-BZ#128	ND		ug/kg	132	--	100
CI7-BZ#180	ND		ug/kg	132	--	100
CI7-BZ#170	ND		ug/kg	132	--	100
CI8-BZ#195	ND		ug/kg	132	--	100
CI9-BZ#206	ND		ug/kg	132	--	100
CI10-BZ#209	ND		ug/kg	132	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-12
Client ID: S-11N-C010-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 02:37
Analyst: AW
Percent Solids: 99%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/29/11 11:42
Cleanup Method1: EPA 3630
Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	1510		ug/kg	132	--	100
CI4-BZ#44	585		ug/kg	132	--	100
CI4-BZ#66	410		ug/kg	132	--	100
CI5-BZ#101	270		ug/kg	132	--	100
CI5-BZ#118	ND		ug/kg	132	--	100
CI6-BZ#153	282		ug/kg	132	--	100
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-13
Client ID: S-11N-C011-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 03:21
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:35
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	208		ug/kg	66.4	--	50
CI3-BZ#18	397		ug/kg	66.4	--	50
CI4-BZ#52	814		ug/kg	66.4	--	50
CI5-BZ#105	ND		ug/kg	66.4	--	50
CI6-BZ#138	69.4		ug/kg	66.4	--	50
CI7-BZ#187	ND		ug/kg	66.4	--	50
CI6-BZ#128	ND		ug/kg	66.4	--	50
CI7-BZ#180	ND		ug/kg	66.4	--	50
CI7-BZ#170	ND		ug/kg	66.4	--	50
CI8-BZ#195	ND		ug/kg	66.4	--	50
CI9-BZ#206	ND		ug/kg	66.4	--	50
CI10-BZ#209	ND		ug/kg	66.4	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-13
Client ID: S-11N-C011-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 03:21
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:35
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	460		ug/kg	66.4	--	50
CI4-BZ#44	208		ug/kg	66.4	--	50
CI4-BZ#66	173		ug/kg	66.4	--	50
CI5-BZ#101	119		ug/kg	66.4	--	50
CI5-BZ#118	66.6		ug/kg	66.4	--	50
CI6-BZ#153	109		ug/kg	66.4	--	50
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-14
Client ID: S-11N-C012-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 04:05
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:52
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	154		ug/kg	26.9	--	20
CI3-BZ#18	234		ug/kg	26.9	--	20
CI4-BZ#52	388		ug/kg	26.9	--	20
CI5-BZ#118	30.6		ug/kg	26.9	--	20
CI5-BZ#105	ND		ug/kg	26.9	--	20
CI6-BZ#138	28.8		ug/kg	26.9	--	20
CI7-BZ#187	ND		ug/kg	26.9	--	20
CI6-BZ#128	ND		ug/kg	26.9	--	20
CI7-BZ#180	ND		ug/kg	26.9	--	20
CI7-BZ#170	ND		ug/kg	26.9	--	20
CI8-BZ#195	ND		ug/kg	26.9	--	20
CI9-BZ#206	ND		ug/kg	26.9	--	20
CI10-BZ#209	ND		ug/kg	26.9	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-14
Client ID: S-11N-C012-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 04:05
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 13:52
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:08
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	270		ug/kg	26.9	--	20
CI4-BZ#44	104		ug/kg	26.9	--	20
CI4-BZ#66	77.6		ug/kg	26.9	--	20
CI5-BZ#101	51.2		ug/kg	26.9	--	20
CI6-BZ#153	49.7		ug/kg	26.9	--	20
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-15
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 15:16
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	6200		ug/kg	1320	--	1000
CI3-BZ#18	9740		ug/kg	1320	--	1000
CI4-BZ#52	13200		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-15
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 15:16
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	9180		ug/kg	1320	--	1000
CI4-BZ#44	2200		ug/kg	1320	--	1000
CI4-BZ#66	1750		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI6-BZ#153	1360		ug/kg	1320	--	1000
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-16
Client ID: S-11N-C013-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 05:33
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1300		ug/kg	266	--	200
CI3-BZ#18	2560		ug/kg	266	--	200
CI4-BZ#52	3890		ug/kg	266	--	200
CI5-BZ#118	ND		ug/kg	266	--	200
CI5-BZ#105	ND		ug/kg	266	--	200
CI6-BZ#138	ND		ug/kg	266	--	200
CI7-BZ#187	ND		ug/kg	266	--	200
CI6-BZ#128	ND		ug/kg	266	--	200
CI7-BZ#180	ND		ug/kg	266	--	200
CI7-BZ#170	ND		ug/kg	266	--	200
CI8-BZ#195	ND		ug/kg	266	--	200
CI9-BZ#206	ND		ug/kg	266	--	200
CI10-BZ#209	ND		ug/kg	266	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-16
 Client ID: S-11N-C013-0.5-1.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 12/02/11 05:33
 Analyst: AW
 Percent Solids: 98%

Date Collected: 11/15/11 14:12
 Date Received: 11/17/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 15:09
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	2520		ug/kg	266	--	200
CI4-BZ#44	426		ug/kg	266	--	200
CI4-BZ#66	345		ug/kg	266	--	200
CI5-BZ#101	324		ug/kg	266	--	200
CI6-BZ#153	397		ug/kg	266	--	200
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-17
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 10:52
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	3130		ug/kg	669	--	500
CI3-BZ#18	4800		ug/kg	669	--	500
CI4-BZ#52	8390		ug/kg	669	--	500
CI5-BZ#118	706		ug/kg	669	--	500
CI5-BZ#105	ND		ug/kg	669	--	500
CI6-BZ#138	686		ug/kg	669	--	500
CI7-BZ#187	ND		ug/kg	669	--	500
CI6-BZ#128	ND		ug/kg	669	--	500
CI7-BZ#180	ND		ug/kg	669	--	500
CI7-BZ#170	ND		ug/kg	669	--	500
CI8-BZ#195	ND		ug/kg	669	--	500
CI9-BZ#206	ND		ug/kg	669	--	500
CI10-BZ#209	ND		ug/kg	669	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-17
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 10:52
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	5650		ug/kg	669	--	500
CI4-BZ#44	2370		ug/kg	669	--	500
CI4-BZ#66	1840		ug/kg	669	--	500
CI5-BZ#101	1210		ug/kg	669	--	500
CI6-BZ#153	1140		ug/kg	669	--	500
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-18
Client ID: S-11N-C014-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 07:02
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	122		ug/kg	33.0	--	25
CI3-BZ#18	178		ug/kg	33.0	--	25
CI4-BZ#52	321		ug/kg	33.0	--	25
CI5-BZ#118	ND		ug/kg	33.0	--	25
CI5-BZ#105	ND		ug/kg	33.0	--	25
CI6-BZ#138	ND		ug/kg	33.0	--	25
CI7-BZ#187	ND		ug/kg	33.0	--	25
CI6-BZ#128	ND		ug/kg	33.0	--	25
CI7-BZ#180	ND		ug/kg	33.0	--	25
CI7-BZ#170	ND		ug/kg	33.0	--	25
CI8-BZ#195	ND		ug/kg	33.0	--	25
CI9-BZ#206	ND		ug/kg	33.0	--	25
CI10-BZ#209	ND		ug/kg	33.0	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	0	Q	30-150
BZ 198	0	Q	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**SAMPLE RESULTS**

Lab ID: L1119291-18
Client ID: S-11N-C014-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/02/11 07:02
Analyst: AW
Percent Solids: 98%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/11 15:09
Cleanup Method1: EPA 3630
Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	198		ug/kg	33.0	--	25
CI4-BZ#44	93.3		ug/kg	33.0	--	25
CI4-BZ#66	73.9		ug/kg	33.0	--	25
CI5-BZ#101	49.8		ug/kg	33.0	--	25
CI6-BZ#153	49.6		ug/kg	33.0	--	25
DBOB	0	Q	30-150			
BZ 198	0	Q	30-150			

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 11/30/11 16:29
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG504703-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 11/30/11 16:29
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/28/11 12:00
 Cleanup Method1: EPA 3630
 Cleanup Date1: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG504703-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/01/11 15:35
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/29/11 11:42
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 12 Batch: WG504994-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	80		30-150
BZ 198	81		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/01/11 15:35
 Analyst: AW

Extraction Method: EPA 3540C
 Extraction Date: 11/29/11 11:42
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/01/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 12 Batch: WG504994-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	80		30-150
BZ 198	81		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3								
CI2-BZ#8	82		82		40-140	0		30
CI3-BZ#18	85		84		40-140	1		30
CI3-BZ#28	86		86		40-140	0		30
CI4-BZ#52	83		86		40-140	4		30
CI4-BZ#44	85		86		40-140	1		30
CI4-BZ#66	86		89		40-140	3		30
CI5-BZ#101	85		87		40-140	2		30
CI5-BZ#118	86		91		40-140	6		30
CI5-BZ#105	81		85		40-140	5		30
CI6-BZ#138	86		89		40-140	3		30
CI7-BZ#187	84		88		40-140	5		30
CI6-BZ#128	84		88		40-140	5		30
CI7-BZ#180	90		94		40-140	4		30
CI7-BZ#170	83		88		40-140	6		30
CI8-BZ#195	78		82		40-140	5		30
CI9-BZ#206	85		89		40-140	5		30
CI10-BZ#209	77		81		40-140	5		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3								

DBOB	83	83	30-150
BZ 198	81	87	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG504703-2 WG504703-3
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Cl6-BZ#153	84	88	40-140	5	30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	83		83		30-150
BZ 198	81		87		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3								
Cl2-BZ#8	82		88		40-140	7		30
Cl3-BZ#18	128		102		40-140	23		30
Cl3-BZ#28	129		96		40-140	29		30
Cl4-BZ#52	194	Q	140		40-140	32	Q	30
Cl4-BZ#44	103		103		40-140	0		30
Cl4-BZ#66	120		108		40-140	11		30
Cl5-BZ#101	108		104		40-140	4		30
Cl5-BZ#118	95		100		40-140	5		30
Cl5-BZ#105	83		91		40-140	9		30
Cl6-BZ#138	90		94		40-140	4		30
Cl7-BZ#187	84		89		40-140	6		30
Cl6-BZ#128	83		90		40-140	8		30
Cl7-BZ#180	81		89		40-140	9		30
Cl7-BZ#170	81		88		40-140	8		30
Cl8-BZ#195	74		81		40-140	9		30
Cl9-BZ#206	81		89		40-140	9		30
Cl10-BZ#209	74		81		40-140	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	77		82		30-150
BZ 198	78		82		30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 12 Batch: WG504994-2 WG504994-3								
Cl6-BZ#153	90		92		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	77		82		30-150
BZ 198	78		82		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-01

Client ID: S-11N-C001-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 10:32

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	55.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-02

Date Collected: 11/15/11 10:56

Client ID: S-11N-C002-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	44.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-03

Client ID: S-11N-C002-0.5-1.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 10:56

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.5		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	52.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-04**Client ID:** S-11N-C003-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/15/11 11:16**Date Received:** 11/17/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.0		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	48.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-05

Client ID: S-11N-C004-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 11:38

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	56.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-06

Client ID: S-11N-C005-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 11:51

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	45.0		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-07

Client ID: S-11N-C006-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 12:05

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.1		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	39.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-08

Client ID: S-11N-C007-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 12:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-09**Client ID:** S-11N-C008-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/15/11 12:34**Date Received:** 11/17/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	95.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	37.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-10

Client ID: S-11N-C009-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 12:55

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.4		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	38.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-11

Client ID: S-11N-C010-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 13:12

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	32.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-12**Client ID:** S-11N-C010-0.5-1.0**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/15/11 13:12**Date Received:** 11/17/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.7		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	47.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-13

Client ID: S-11N-C011-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 13:35

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	47.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-14

Date Collected: 11/15/11 13:52

Client ID: S-11N-C012-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-15

Date Collected: 11/15/11 14:12

Client ID: S-11N-C013-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119291

Project Number: TO-0010-04

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-16

Date Collected: 11/15/11 14:12

Client ID: S-11N-C013-0.5-1.0

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	45.2		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11**SAMPLE RESULTS****Lab ID:** L1119291-17**Client ID:** S-11N-C014-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/15/11 14:27**Date Received:** 11/17/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.7		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

SAMPLE RESULTS

Lab ID: L1119291-18

Client ID: S-11N-C014-0.5-1.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/15/11 14:27

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.8		%	0.100	--	1	-	11/28/11 10:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.4		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	KB



Lab Duplicate Analysis
Batch Quality Control**Project Name:** NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119291**Report Date:** 12/21/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG503651-1 QC Sample: L1119291-07 Client ID: S-11N-C006-0-0.5						
Solids, Total	97.1	97.7	%	1		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119291

Report Date: 12/21/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119291-01A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-02A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-03A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-04A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-05A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-06A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-07A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-07B	Glass 500ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-08A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-09A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-10A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-11A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-12A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-13A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-14A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-15A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-16A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-17A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119291-18A	Glass 250ml unpreserved	A	NA	5.5	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)

*Values in parentheses indicate holding time in days



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1**Lab Number:** L1119291**Project Number:** TO-0010-04**Report Date:** 12/21/11**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119291
Report Date: 12/21/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: WOODS HOLE GROUP, INC
Address: 81 TECHNOLOGY PARK DR
E. FALMOUTH, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NEWBEDFORD 0U1
Project Location: NEWBEDFORD, MA
Project #: TO-0010-04
Project Manager: DAVE WALSH
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Other Project Specific Requirements/Comments/Detection Limits:

Project specific EDD & DATA REPORT

PLEASE NOTE • PLEASE HOMOGENIZE SAMPLE BEFORE
MS/MSD (at unit cost) will be omitted unless you check here: ☐ ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (NCAA 18) PCB Handlogs										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time													Filtration		
01	S-11N-C001-0-0.5	11/15/11	10:32	SED	DRW	X										NL43		1
02	S-11N-C002-0-0.5		10:56			X	X									NE39		1
03	S-11N-C002-0.5-1.0		10:56			X										NE39		1
04	S-11N-C003-0-0.5		11:16			X	X									NC28		1
05	S-11N-C004-0-0.5		11:38			X										NG31		1
06	S-11N-C005-0-0.5		11:51			X										NK32		1
07	S-11N-C006-0-0.5		12:05			X	X									NM34		1
-0708	S-11N-C006-0-0.5 MSMSD		12:05			X	X									NM34, MSMSD		1
-0809	S-11N-C007-0-0.5		12:16			X	X									NH35		1
-0910	S-11N-C008-0-0.5		12:34			X										NE33		1

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEW BEDFORD OUL

Project Location: NEW BEDFORD, MA

Project #: 70-0010-04

Project Manager: DAVE WALSH

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: _____ Time: _____

Client Information

Client: WOODS HOLE GROUP, INC.

Address: BI TECHNOLOGY PARK DR.
E. FALMOUTH, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

- Project specific EDD & Data Report

PLEASE NOTE *• Please Homogenize sample Before analysis*
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program	Criteria
---------------------	----------

ALPHA Job #:

ALPHA Job #: L111929

Billing Information

☐ Same as Client info PO #:

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
 Preservation _____
☐ Lab to do
 (Please specify below)

Sample Specific Comments

THE
C
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A
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T
L
E
S

[illegible]

Container Type	A	A
Preservative	A	A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Lab: Alpha Analytical
 Date Sampled: 11/15/11
 Analysis: 18 NOAA PCB Congeners by GC/ECD

**New Bedford Harbor
 OU-1 Monitoring 2011
 18 NOAA PCB Congeners Tier I+ Data Validation Checklist**

Lab Project #: L1119291
 No. Samples 18
 Matrix: Sediment Cores

Data Element	Preservation	Surrogates	LCS/LCSD	MS/MSD	FD	MB	RL	Issues with	Other
Acceptable	& HT	%R 30-150%	%R 40-140% RPD ≤ 30%	%R 40-140% RPD ≤ 30%	RPD ≤ 30% SW RPD ≤ 50% SED	< RL or < 5x Conc. in sample	meets QAPP req. for matrix?	Qualifiers?	
Yes	✓	✓		✓	NA	✓	✓	✓	NA
No			Estimated (J) 1 result in 1 sample					All data qualified "D" by the lab since samples analyzed DF > 1	

Did the Laboratory Narrative contain any issues which may affect data quality? Yes; however, all issues were reported in the summary data.

Were the %solids acceptable (>30%)? Yes all > 96% solids after air-drying. Prior to air-drying, % solids were 33-55%.

The data package consisted of a laboratory narrative, data sheets for samples, Method Blanks (MB), laboratory control samples (LCS), Matrix Spike/Matrix Spike Duplicates (MS/MSD), and the executed chain-of-custody. Summary information for initial and continuing calibrations were not present nor were raw data for samples and quality control (QC) reported. This Tier I+ review assumed that initial calibrations and qualitative and quantitative determination of the 18 NOAA target Congeners were acceptable unless an issue was raised in the laboratory narrative. This review also assumed that the highest value for the two GC columns used was reported for the sample result, as required by the OAPP, unless noted by the laboratory.

Comments:

The post-dredge sediment cores were collected on November 15, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. Samples were received frozen on 11/17/11. COC seals were absent from coolers; however, these were hand delivered from the site to the lab.

When samples were received, %solids were performed and based on the results of these analyses, all of the samples were air-dried for use in PCB Congener determination. Samples were frozen again after air-drying on 11/21/11 and then removed from frozen storage on 11/28/11 for extraction.

HT: Air-dried samples were extracted on 11/28/11 & 11/29/11 and extracts were analyzed by 12/2/11 - HT met - No action required.

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

Surrogates: All samples were analyzed at dilutions (DF=2 to DF=5000) to report Congeners within accurate calibration range. The samples were spiked with surrogates at concentrations which were appropriate for samples which would not require large dilutions. Three samples (L1119291-02, -03, & -14) were analyzed at DF ≤ 20 and reported surrogates and Congeners from a single analysis. Five other samples (L1119291-01, -04, -13, -16, and -18) were analyzed initially with low dilutions and then reanalyzed at higher dilutions appropriate to the sample matrix for reporting of the Congeners. For these 8 samples and all QC, surrogate recoveries were within criteria; therefore, no action was required. The remaining 10 samples (L1119291-05 through -12, -15, and -17) were only analyzed at higher dilutions. These samples 10 samples reported 0% recovery of the surrogates because the level of the surrogate spike was too low to be able to be detected in the dilution analysis. No action required.

Blank Action: Blanks Reviewed: Method Blank: WG504703-1 (all samples except L1119291-12) & WG504994-1 (assoc. with L1119291-12)
No EB associated with samples

Blank ID	Contaminant / Level	Matrix Related?		Action Level / Action		Sample and Reported Result	Corrected Result
WG504703-1	None	-		-		No Blank Action required	
WG504994-1	None	-		-		No Blank Action required	

LCS/LCSD: WG504703-2/-3 & WG504994-2/-3 %Rec for LCS & LCSD was within 40-140% for all 18 NOAA Congeners except BZ#52 high in WG504994-2 which also resulted in high RPD for this Congener in this LCS/LCSD pair. All other RPDs between LCS and LCSD all OK.

**ACTION: 2,2',5,5'-Tetrachlorobiphenyl (BZ#52) estimated (J) in sample S-11N-C010-0.5-1.0 with indeterminate bias due to high LCS recovery + LCS/LCSD imprecision*

MS/MSD: COC requested MS/MSD be performed on sample S-11N-C006-0-0.5; however, no MS/MSD results were reported due to the high concentration of Congeners in the unspiked sample which caused high dilutions for analysis (according to narrative).

FD: there were no Field duplicates associated with the samples in this SDG. No Action required.

All samples were analyzed at DF > 1 (ranged from DF=2 to DF=5000) to report all congeners within the instrument calibration range. For all samples the RLs were increased as a consequence of the dilutions made (RLs were below PQLs for sample S-11N-C002-0.5-1.0 analyzed at DF=2 and were 5-1360 times higher than 5 µg/Kg PQL given in QAPP Worksheet #15 for all other samples). However, the sum of all detected congener results in these diluted samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

Qualifiers : All data were reported with "D" qualifiers. As instructed by Battelle, these "D" qualifiers were not removed during the DV process. There were no "J" or "E" qualified data reported.

Narrative : the narrative did not raise any issues not already addressed.

Date: **2/10/12**

Data Reviewer: Nancy C. Rothman, Ph.D.

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

ACTIONS:

Preservation: Cooled to $4 \pm 2^{\circ}\text{C}$. Sediments may be frozen for up to 1 year to preserve sample prior to extraction. If temperature outside criteria, use professional judgment.

HT: Extraction: waters -7d <HT< 14 d, J det/ J NDs; HT >14 d, J det/R ND

Extraction: sediment - 14d <HT< 28 d, J det/ J NDs; HT >28 d, J det/R ND (freezing arrests HT)

Analysis of extract: 40d < Extract HT < 60d, J det/ J NDs; Extract HT > 60d; J det/ R NDs

Surrogates: % Recovery > 150%, J det/Accept ND; $10\% \leq$ % Recovery < 30%, J det/J NDs; Recovery < 10%, J det/R NDs.

LCS/LCSD: %Rec<10%, J det/ R NDs; $10\% < \text{\%Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs. RPD > 30%, J det/UI NDs.

MS/MSD: %Rec<10%, J det/ R NDs; $10\% < \text{\%Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs- Unspiked Sample only. RPD > 30%, J det/UI NDs.

FD: RPD > 30% (waters) or 50% (sediment) for results > 2 x RL, J det/UI NDs. Use professional judgment for values < 2 x RL.

MBs: If contamination in blank(s) exists, Blank Action Level (BAL)= 5 x Level in Blank (on a sample-equivalent basis). If a sample result is < RL and < BAL, negate (U) result at RL; if value > RL but < BAL, negate (U) result at level reported; if value > BAL, no Action.

RLs: Verify RLs are sample-specific and meet PQL given in QAPP Addendum 2009 UFP - Worksheet #15. If result > upper calibration range, J result; if result < lowest calibration standard, J result. Verify all J data reported properly, if applicable. Note any non-detects at values > PALs.

Other Data qualified J by lab stays as J; data qualified E by lab becomes J; data qualified U by lab stays U; data qualified P by lab becomes J; data qualified B becomes

Qualifiers: either U or J based on actions taken for Method Blank (MB)

% solids: $10\% < \text{\% solids} < 30\%$, J det/R ND; % solids < 10%, R detects and NDs.

Qualifiers: U = analyte is non-detect at the sample-specific Reporting Limit (RL) (usable); UI = non-detect is usable as an estimated value; J = result is usable as an estimated value; R = result is rejected due to severe QC exceedance and unusable for project objectives. Bias: L = Low; H = High; I = Indeterminate.

Reference: Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011) and Region I, EPA-NE Pesticide/PCB Data Validation Functional Guidelines - Part III, Draft February 2004

Laboratory Data were reported using BZ# only - the following table shows a cross reference of BZ# to Congener Name and CAS Number

Congener Name	BZ #	CAS Number
2,4'-Dichlorobiphenyl	BZ#8	34883-43-7
2,2',5'-Trichlorobiphenyl	BZ#18	37680-65-2
2,4,4'-Trichlorobiphenyl	BZ#28	7012-37-5
2,2',3,5'-Tetrachlorobiphenyl	BZ#44	41464-39-5
2,2',5,5'-Tetrachlorobiphenyl	BZ#52	35693-99-3
2,3',4,4'-Tetrachlorobiphenyl	BZ#66	32598-10-0
2,2',4,5,5'-Pentachlorobiphenyl	BZ#101	37680-73-2
2,3,3',4,4'-Pentachlorobiphenyl	BZ#105	32598-14-4
2,3',4,4',5-Pentachlorobiphenyl	BZ#118	31508-00-6

Congener Name	BZ #	CAS Number
2,2',3,3',4,4'-Hexachlorobiphenyl	BZ#128	38380-07-3
2,2',3,4,4',5'-Hexachlorobiphenyl	BZ#138	35065-28-2
2,2',4,4',5,5'-Hexachlorobiphenyl	BZ#153	35065-27-1
2,2',3,3',4,4',5-Heptachlorobiphenyl	BZ#170	35065-30-6
2,2',3,4,4',5,5'-Heptachlorobiphenyl	BZ#180	35065-29-3
2,2',3,4',5,5',6-Heptachlorobiphenyl	BZ#187	52663-68-0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	BZ#195	52663-78-2
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	BZ#206	40186-72-9
Decachlorobiphenyl	BZ#209	52663-77-1

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.



Data Validation Report

EPA Region I Tier I+ NOAA Congeners by 8082

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119291

Date(s) of Collection: November 15, 2011

**Number / Type
Samples & Analyses** 18 post-dredge sediment core samples for 18 NOAA Congeners by EPA
SW-846 Method 8082

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Congeners and was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0*, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C001-0-0.5	L1119291-01	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C002-0-0.5	L1119291-02	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C002-0.5-1.0	L1119291-03	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C003-0-0.5	L1119291-04	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C004-0-0.5	L1119291-05	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C005-0-0.5	L1119291-06	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C006-0-0.5	L1119291-07	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C007-0-0.5	L1119291-08	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C008-0-0.5	L1119291-09	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C009-0-0.5	L1119291-10	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C010-0-0.5	L1119291-11	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - *continued*

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C010-0.5-1.0	L1119291-12	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C011-0-0.5	L1119291-13	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C012-0-0.5	L1119291-14	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C013-0-0.5	L1119291-15	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C013-0.5-1.0	L1119291-16	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C014-0-0.5	L1119291-17	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C014-0.5-1.0	L1119291-18	11/15/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Analytical method references:

18 NOAA Congeners: *Polychlorinated Biphenyls (PCBs) by Gas Chromatography* in EPA's Test Methods for Evaluating Solid Waste, Physical Chemical Methods, SW-846, Third Edition, Method 8082, Rev. 1, February 2007.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of 18 NOAA PCB Congener sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*

- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of 18 NOAA PCB Congeners, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 15, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. The post-dredge sediment core samples were received intact frozen on November 17, 2011. Aliquots of the “as received” samples were analyzed for percent solids. All samples had percent solids content of 33 to 55%; therefore, these sediment core samples were air-dried, as required by the QAPP, prior to Congener analysis. The laboratory maintained the same Lab Sample ID for both the “as received” and “air-dried” sediment aliquots.

After air-drying, the percent solids content for all samples was greater than 96%. These air-dried samples were frozen until extraction of the samples on November 28, 2011 and November 29, 2011. As a consequence of the freezing of the aliquots by WHG, these samples were considered to have been extracted and analyzed within holding time.

Accuracy

The Method Blanks were non-detect for all Congeners; therefore, blank action to negate sample data was not required. There was no Equipment Blank required to be collected these core samples.

All samples were analyzed at dilutions (DF=2 to DF=5000) to report Congeners within accurate calibration range. The samples were spiked with surrogates at concentrations that were appropriate for the expected “low level” sample concentrations (see QAPP 2011 for further discussion of surrogate spiking solution levels). Three samples were analyzed at $DF \leq 20$ and reported surrogates and Congeners from a single analysis. Five other samples were analyzed initially with low dilutions and then reanalyzed at higher dilutions necessary to report all Congeners within the calibration range. For

these eight samples and all QC, surrogate recoveries were within criteria; therefore, no action was required. The remaining 10 samples were only analyzed at higher dilutions and reported 0% recovery of the surrogates because the level of the surrogate spike was too low to be able to be detected in the dilution analyses. No action was taken other than to note that these 10 samples do not have surrogate recovery information applicable to the Congener concentrations measured in these samples.

Two sets of LCS/LCSDs were associated with the samples in this SDG. LCS/LCSD recoveries were acceptable for all 18 NOAA Congeners except 2,2',5,5'-Tetrachlorobiphenyl (BZ 52), which was recovered high in the LCS/LCSD associated with the analysis of sample S-11N-C010-0.5-1.0. The result for 2,2',5,5'-Tetrachlorobiphenyl was estimated (J) in S-11N-C010-0.5-1.0 with indeterminate bias, due to other QC issues affecting the result, as shown in Table 2.

MS/MSD was performed on sample S-11N-C006-0-0.5; however, no MS/MSD results were reported for these QC samples due to the high concentrations of Congeners in the unspiked (native) sample, which necessitated high dilutions for analysis (i.e., the spikes were diluted-out). No action was taken other than to note that MS/MSD recovery information was not obtained with this data set.

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were less than to over 1300 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

Precision

LCS/LCSD precision was acceptable for all 18 NOAA Congeners except for 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) associated with the analysis of sample S-11N-C010-0.5-1.0. The result for 2,2',5,5'-Tetrachlorobiphenyl was estimated (J) in S-11N-C010-0.5-1.0 with indeterminate bias as a consequence of the observed imprecision, as listed in Table 2. These results indicate generally acceptable precision in the laboratory analysis of these samples.

As stated above, MS/MSD precision could not be evaluated for this data set due to the high levels of Congeners in the unspiked sample S-11N-C006-0-0.5.

There were no field duplicate (FD) samples associated with the samples in this SDG. Therefore, precision and representativeness from sample collection thorough analysis could not be evaluated.

Sensitivity & Reporting

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were 27 to over 1000 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C010-0.5-1.0	2,2',5,5'-Tetrachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2:

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

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BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
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L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	db_val01-Dec-11	1	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 187	52663-68-0	2,2',3,4',4',5,5',6-Heptachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 206	40186-72-9	2,2',3,3',4,4',4',5,5',6-Nonachlorobiphenyl	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 209	2051-24-3	DecaCB - Homologue	1.33	U
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)		81
L1119291	AAL-WG504994-1	MB	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1		CS-10386-84-2	Dbob		80
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl		82
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl		128
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl		129
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl		103
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl		194
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl		120
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl		108
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl		83
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl		95
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		83
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		90
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl		90
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl		81
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl		81
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 187	52663-68-0	2,2',3,4',4',5,5',6-Heptachlorobiphenyl		84
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl		74
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 206	40186-72-9	2,2',3,3',4,4',4',5,5',6-Nonachlorobiphenyl		81
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 209	2051-24-3	DecaCB - Homologue		74
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)		78
L1119291	AAL-WG504994-2	LCS	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1		CS-10386-84-2	Dbob		77
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl		88
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl		102
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl		96
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl		103
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl		140
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl		108
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl		104
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl		91
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl		100
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		90
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		94
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl		92
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl		88
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl		89
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 187	52663-68-0	2,2',3,4',4',5,5',6-Heptachlorobiphenyl		89
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl		81
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 206	40186-72-9	2,2',3,3',4,4',4',5,5',6-Nonachlorobiphenyl		89
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 209	2051-24-3	DecaCB - Homologue		81
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)		82
L1119291	AAL-WG504994-3	LCSD	TOTAL		29-Nov-11	3540C	29-Nov-11	8082 Congeners	01-Dec-11	1		CS-10386-84-2	Dbob		82
L1119291	S-11N-C001-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.4	
L1119291	S-11N-C001-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	55.8	
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	399	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	937	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	880	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	744	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	2530	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	618	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	365	D
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	01-Dec-11	250	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	329	DU
L1119291	S-11N-C001-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	Page 201-Dec-11	250	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	329	D

L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	db_val02-Dec-11	5000	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	9180	D
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	6800	D
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 209	2051-24-3	DecaCB - Homologue	6800	DU
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000	BZ 198	CS-68194-17-2	2,2',3,3',4,4',5,5',6-Octach (Obsolete)	0	D
L1119291	S-11N-C006-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	5000		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C006-0-0.5-DUP	DUP	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.7	
L1119294	S-11N-C007-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	13-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.3	
L1119294	S-11N-C007-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	49.8	
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	2380	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	3200	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	3410	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	1710	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	7120	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 66	32598-10-0	2,3,4,4'-Tetrachlorobiphenyl	1560	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	937	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 118	31508-00-6	2,3,4,4',5-Pentachlorobiphenyl	564	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 138	35065-28-2	2,2',3,3',4,4',5'-Hexachlorobiphenyl	589	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	860	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 209	2051-24-3	DecaCB - Homologue	542	DU
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400	BZ 198	CS-68194-17-2	2,2',3,3',4,4',5,5',6-Octach (Obsolete)	0	D
L1119291	S-11N-C007-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	400		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C008-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	95.2	
L1119291	S-11N-C008-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	37.6	
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	2260	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	3610	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	3200	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	2620	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	9390	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 66	32598-10-0	2,3,4,4'-Tetrachlorobiphenyl	2480	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	1730	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 118	31508-00-6	2,3,4,4',5-Pentachlorobiphenyl	1100	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 138	35065-28-2	2,2',3,3',4,4',5'-Hexachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	1460	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	694	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 209	2051-24-3	DecaCB - Homologue	694	DU
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500	BZ 198	CS-68194-17-2	2,2',3,3',4,4',5,5',6-Octach (Obsolete)	0	D
L1119291	S-11N-C008-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	500		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C009-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.4	
L1119291	S-11N-C009-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	98.1	
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	3710	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	13300	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	12700	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	7060	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	28200	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 66	32598-10-0	2,3,4,4'-Tetrachlorobiphenyl	6140	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	2000	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	3920	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	Page 502-Dec-11	2000	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	2700	DU

L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	db_val	02-Dec-11	2000	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	2700	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl	2700	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	3760	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 209	2051-24-3	DecaCB - Homologue	2700	DU
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octab (Obsolete)	0	D
L1119291	S-11N-C009-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2000		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C010-0.5-1.0	SA	TOTAL		17-Nov-11	NO_PREP		2540G		28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.7	
L1119291	S-11N-C010-0.5-1.0	SA	TOTAL		17-Nov-11	NO_PREP				18-Nov-11	1		PCT_SOLIDS	Percent Solids	47.5	
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	881	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	1440	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	1510	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	585	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	2560	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	410	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	270	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	132	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 138	35065-28-2	2,2',3,3',4,4',5'-Hexachlorobiphenyl	182	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	282	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 209	2051-24-3	DecaCB - Homologue	132	DU
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octab (Obsolete)	0	D
L1119291	S-11N-C010-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	29-Nov-11	8082 Congeners		02-Dec-11	100		CS-10386-84-2	Dbob	0	D
L1119294	S-11N-C010-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G		13-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.3	
L1119294	S-11N-C010-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP				18-Nov-11	1		PCT_SOLIDS	Percent Solids	32.6	
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	17300	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	23800	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	23400	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	12200	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	51100	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	10300	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	6350	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	3350	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 138	35065-28-2	2,2',3,3',4,4',5'-Hexachlorobiphenyl	3750	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	6480	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 209	2051-24-3	DecaCB - Homologue	3350	DU
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500	BZ 198	CS-68194-17-2	2,2',3,3',4,4',5,5',6-Octab (Obsolete)	0	D
L1119291	S-11N-C010-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	2500		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C011-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G		28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.7	
L1119291	S-11N-C011-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP				18-Nov-11	1		PCT_SOLIDS	Percent Solids	47.4	
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	208	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	397	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	460	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	208	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	814	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	173	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	50	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	119	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	Page 6	02-Dec-11	50	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	66.4	DU

L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	db_val 02-Dec-11	50	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	66.6	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl	69.4	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	109	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 209	2051-24-3	DecaCB - Homologue	66.4	DU
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octab (Obsolete)	98	D
L1119291	S-11N-C011-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	50		CS-10386-84-2	Dbob	70	D
L1119291	S-11N-C012-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.9	
L1119291	S-11N-C012-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	49.4	
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	154	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	234	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	270	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	104	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	388	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	77.6	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	51.2	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	30.6	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 138	35065-28-2	2,2',3,3,4,4',5'-Hexachlorobiphenyl	48.8	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	29.7	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 209	2051-24-3	DecaCB - Homologue	26.9	DU
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octab (Obsolete)	71	D
L1119291	S-11N-C012-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	20		CS-10386-84-2	Dbob	82	D
L1119291	S-11N-C013-0.5-1.0	SA	TOTAL		17-Nov-11	NO_PREP		2540G	28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.2	
L1119291	S-11N-C013-0.5-1.0	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	45.2	
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	1300	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	2560	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	2520	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	426	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	3890	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	345	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	324	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	266	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 128	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 138	35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 153	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	397	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 180	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 187	52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 209	2051-24-3	DecaCB - Homologue	266	DU
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octab (Obsolete)	76	D
L1119291	S-11N-C013-0.5-1.0	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	200		CS-10386-84-2	Dbob	51	D
L1119294	S-11N-C013-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		2540G	13-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.9	
L1119294	S-11N-C013-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP		Percent Sol	18-Nov-11	1		PCT_SOLIDS	Percent Solids	46.9	
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	6200	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	9740	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	9180	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	2200	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	13200	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	1750	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	02-Dec-11	1000	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	1320	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL		17-Nov-11	3540C	28-Nov-11	8082 Congeners	Page 7 02-Dec-11	1000	BZ 105	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	1320	DU

L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners	db_val	02-Dec-11	1000	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	1320	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 128	38380-07-3	2,2',3,3',4,4',5-Hexachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 138	35065-28-2	2,2',3,4,4',5',5'-Hexachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 153	35065-27-1	2,2',4,4',5,5',5'-Hexachlorobiphenyl	1360	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 170	35065-30-6	2,2',3,3',4,4',5'-Heptachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 180	35065-29-3	2,2',3,4,4',5,5',5'-Heptachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 187	52663-68-0	2,2',3,4',5,5',5',6-Heptachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 195	52663-78-2	2,2',3,4,4',5,5',6-Octachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 209	2051-24-3	DecaCB - Homologue	1320	DU
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)	0	D
L1119291	S-11N-C013-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	1000		CS-10386-84-2	Dbob	0	D
L1119291	S-11N-C014-0.5-1.0	SA	TOTAL	17-Nov-11	NO_PREP		2540G		28-Nov-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.8	
L1119291	S-11N-C014-0.5-1.0	SA	TOTAL	17-Nov-11	NO_PREP		Percent Sol		18-Nov-11	1		PCT_SOLIDS	Percent Solids	41.4	
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	122	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	178	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	198	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	93.3	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	321	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	73.9	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	49.8	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 105	32598-14-4	2,3,3',4,4',5'-Pentachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	33	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 128	38380-07-3	2,2',3,3',4,4',5-Hexachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 138	35065-28-2	2,2',3,4,4',5',5'-Hexachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 153	35065-27-1	2,2',4,4',5,5',5'-Hexachlorobiphenyl	49.6	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 180	35065-29-3	2,2',3,4,4',5,5',5'-Heptachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 187	52663-68-0	2,2',3,4',5,5',5',6-Heptachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 209	2051-24-3	DecaCB - Homologue	33	DU
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)	94	D
L1119291	S-11N-C014-0.5-1.0	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	25		CS-10386-84-2	Dbob	89	D
L1119294	S-11N-C014-0-0.5	SA	TOTAL	17-Nov-11	NO_PREP		2540G		13-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	96.9	
L1119294	S-11N-C014-0-0.5	SA	TOTAL	17-Nov-11	NO_PREP		Percent Sol		18-Nov-11	1		PCT_SOLIDS	Percent Solids	41.7	
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 8	34883-43-7	2,4'-Dichlorobiphenyl	3130	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 18	37680-65-2	2,2',5-Trichlorobiphenyl	4800	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 28	7012-37-5	2,4,4'-Trichlorobiphenyl	5650	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 44	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	2370	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 52	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	8390	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 66	32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	1840	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 101	37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	1210	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 105	32598-14-4	2,3,3',4,4',5'-Pentachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 118	31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	706	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 128	38380-07-3	2,2',3,3',4,4',5-Hexachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 138	35065-28-2	2,2',3,4,4',5',5'-Hexachlorobiphenyl	686	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 153	35065-27-1	2,2',4,4',5,5',5'-Hexachlorobiphenyl	1140	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 170	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 180	35065-29-3	2,2',3,4,4',5,5',5'-Heptachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 187	52663-68-0	2,2',3,4',5,5',5',6-Heptachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 195	52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 206	40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 209	2051-24-3	DecaCB - Homologue	669	DU
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500	BZ 198	CS-68194-17-2	2,2',3,3',4,5,5',6-Octacb (Obsolete)	0	D
L1119291	S-11N-C014-0-0.5	SADL1	TOTAL	17-Nov-11	3540C	28-Nov-11	8082 Congeners		02-Dec-11	500		CS-10386-84-2	Dbob	0	D

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SAMP_ID	RECEIPT_DATE	PREP_METH	ANALYSIS_METH	LAB_QC_CODE	FRACTION	DILUTION	CAS	ANALYTE	VALUE	LAB_QUAL	DETECT_LIMIT
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	32598-14-4	2,3,3',4,4'-Pentacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-29-3	2,2',3,4,4',5,5'-Heptacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-30-6	2,2',3,3',4,4',5-Heptacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35693-99-3	2,2',5,5'-Tetracb	2530	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	38380-07-3	2,2',3,3',4,4'-Hexacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	34883-43-7	2,4'-Dicb	399	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	32598-10-0	2,3',4,4'-Tetracb	618	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	31508-00-6	2,3',4,4',5-Pentacb	329	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	2051-24-3	Decacb - Congener	329	DU	329
S-11N-C001-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.4		0.1
S-11N-C001-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	55.8		0.1
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-27-1	2,2',4,4',5,5'-Hexacb	338	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	52663-78-2	2,2',3,3',4,4',5,6-Octacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	41464-39-5	2,2',3,5'-Tetracb	744	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	37680-73-2	2,2,4,5,5'-Pentacb	365	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	CS-10386-84-2	DBOB	0	D	
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	7012-37-5	2,4,4'-Tricb	880	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-28-2	2,2',3,4',4,5'-Hexacb	329	D	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	52663-68-0	2,2',3,4',5,5',6-Heptacb	329	DU	329
S-11N-C001-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	37680-65-2	2,2',5-Tricb	937	D	329
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-29-3	2,2',3,4,4',5,5'-Heptacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-30-6	2,2',3,3',4,4',5-Heptacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	7012-37-5	2,4,4'-Tricb	142	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	41464-39-5	2,2',3,5'-Tetracb	74.7	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	CS-10386-84-2	DBOB	89	D	
S-11N-C002-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.8		0.1
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	2051-24-3	Decacb - Congener	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-27-1	2,2',4,4',5,5'-Hexacb	45.2	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	109	D	
S-11N-C002-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	44.9		0.1
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35693-99-3	2,2',5,5'-Tetracb	320	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-28-2	2,2',3,4',4,5'-Hexacb	30.8	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	52663-78-2	2,2',3,3',4,4',5,6-Octacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	38380-07-3	2,2',3,3',4,4'-Hexacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	34883-43-7	2,4'-Dicb	79.2	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	37680-73-2	2,2,4,5,5'-Pentacb	49	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	31508-00-6	2,3',4,4',5-Pentacb	27.2	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	52663-68-0	2,2',3,4',5,5',6-Heptacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	37680-65-2	2,2',5-Tricb	154	D	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	32598-14-4	2,3,3',4,4'-Pentacb	27	DU	27
S-11N-C002-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	32598-10-0	2,3',4,4'-Tetracb	73.8	D	27
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	31508-00-6	2,3',4,4',5-Pentacb	10.9	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	41464-39-5	2,2',3,5'-Tetracb	9.5	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	52663-78-2	2,2',3,3',4,4',5,6-Octacb	2.68	DU	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	34883-43-7	2,4'-Dicb	3.31	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	35065-30-6	2,2',3,3',4,4',5-Heptacb	2.68	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.5		0.1
S-11N-C002-0.5-1.0	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	52.8		0.1
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	37680-73-2	2,2,4,5,5'-Pentacb	13.2	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	38380-07-3	2,2',3,3',4,4'-Hexacb	2.68	D	2.68

S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	32598-14-4	2,3,3',4,4'-Pentacb	3.58	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	95	D	
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	CS-10386-84-2	DBOB	90	D	
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	35065-29-3	2,2',3,4,4',5,5'-Heptacb	3.12	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	2051-24-3	Decacb - Congener	2.68	DU	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	35065-27-1	2,2',4,4',5,5'-Hexacb	10.6	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	2.68	DU	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	7012-37-5	2,4,4'-Tricb	7.79	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	32598-10-0	2,3',4,4'-Tetracb	13.4	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	52663-68-0	2,2',3,4',5,5',6-Heptacb	2.74	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	35693-99-3	2,2',5,5'-Tetracb	30.8	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	37680-65-2	2,2',5-Tricb	10.1	D	2.68
S-11N-C002-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2	35065-28-2	2,2',3,4',4,5'-Hexacb	9.92	D	2.68
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	34883-43-7	2,4'-Dicb	639	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-28-2	2,2',3,4',4,5'-Hexacb	361	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	52663-68-0	2,2',3,4',5,5',6-Heptacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	48.5		0.1
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35693-99-3	2,2',5,5'-Tetracb	3110	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	31508-00-6	2,3',4,4',5-Pentacb	307	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	38380-07-3	2,2',3,3',4,4'-Hexacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	37680-65-2	2,2',5-Tricb	1000	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	32598-14-4	2,3,3',4,4'-Pentacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-30-6	2,2',3,3',4,4',5-Heptacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	7012-37-5	2,4,4'-Tricb	826	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	41464-39-5	2,2',3,5'-Tetracb	780	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	37680-73-2	2,2,4,5,5'-Pentacb	534	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-27-1	2,2',4,4',5,5'-Hexacb	444	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	CS-10386-84-2	DBOB	0	D	
S-11N-C003-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98		0.1
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-29-3	2,2',3,4,4',5,5'-Heptacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	32598-10-0	2,3',4,4'-Tetracb	612	D	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	52663-78-2	2,2',3,3',4,4',5,6-Octacb	270	DU	270
S-11N-C003-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	2051-24-3	Decacb - Congener	270	DU	270
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	34883-43-7	2,4'-Dicb	2380	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	31508-00-6	2,3',4,4',5-Pentacb	331	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-30-6	2,2',3,3',4,4',5-Heptacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	CS-10386-84-2	DBOB	0	D	
S-11N-C004-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	56.9		0.1
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	32598-14-4	2,3,3',4,4'-Pentacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	41464-39-5	2,2',3,5'-Tetracb	1820	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	32598-10-0	2,3',4,4'-Tetracb	1020	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	37680-73-2	2,2,4,5,5'-Pentacb	690	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	38380-07-3	2,2',3,3',4,4'-Hexacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	52663-78-2	2,2',3,3',4,4',5,6-Octacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C004-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.4		0.1
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	37680-65-2	2,2',5-Tricb	2230	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	7012-37-5	2,4,4'-Tricb	1400	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35693-99-3	2,2',5,5'-Tetracb	5260	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-27-1	2,2',4,4',5,5'-Hexacb	559	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-28-2	2,2',3,4',4,5'-Hexacb	497	D	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	52663-68-0	2,2',3,4',5,5',6-Heptacb	331	DU	331

S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	35065-29-3	2,2',3,4,4',5,5'-Heptacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	331	DU	331
S-11N-C004-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	250	2051-24-3	Decacb - Congener	331	DU	331
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-10-0	2,3',4,4'-Tetracb	2280	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-14-4	2,3,3',4,4'-Pentacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	41464-39-5	2,2',3,5'-Tetracb	2580	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-27-1	2,2',4,4',5,5'-Hexacb	2160	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35693-99-3	2,2',5,5'-Tetracb	11900	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	2051-24-3	Decacb - Congener	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-29-3	2,2',3,4,4',5,5'-Heptacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	45		0.1
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-65-2	2,2',5-Tricb	4040	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-68-0	2,2',3,4',5,5',6-Heptacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-78-2	2,2',3,3',4,4',5,6-Octacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	34883-43-7	2,4'-Dicb	1470	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	31508-00-6	2,3',4,4',5-Pentacb	1520	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-28-2	2,2',3,4',4,5'-Hexacb	1100	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-10386-84-2	DBOB	0	D	
S-11N-C005-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.6		0.1
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	38380-07-3	2,2',3,3',4,4'-Hexacb	677	DU	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	7012-37-5	2,4,4'-Tricb	3040	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-73-2	2,2,4,5,5'-Pentacb	2140	D	677
S-11N-C005-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-30-6	2,2',3,3',4,4',5-Heptacb	677	DU	677
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4	2,3,3',4,4'-Pentacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0	2,3',4,4'-Tetracb	14600	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6	2,3',4,4',5-Pentacb	6800	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0	2,2',3,4',5,5',6-Heptacb	6800	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2	DBOB	0	D	
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7	2,4'-Dicb	26600	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2	2,2',5-Tricb	30400	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6	2,2',3,3',4,4',5-Heptacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C006-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.1		0.1
S-11N-C006-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	39.6		0.1
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3	Decacb - Congener	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5	2,4,4'-Tricb	22300	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3	2,2',5,5'-Tetracb	63700	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2	2,2',3,3',4,4',5,6-Octacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3	2,2',3,3',4,4'-Hexacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3	2,2',3,4,4',5,5'-Heptacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2	2,2,4,5,5'-Pentacb	9240	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1	2,2',4,4',5,5'-Hexacb	9180	D	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2	2,2',3,4',4,5'-Hexacb	6800	DU	6800
S-11N-C006-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5	2,2',3,5'-Tetracb	17800	D	6800
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	34883-43-7	2,4'-Dicb	2380	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	32598-10-0	2,3',4,4'-Tetracb	1560	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	35065-29-3	2,2',3,4,4',5,5'-Heptacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	35693-99-3	2,2',5,5'-Tetracb	7120	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	35065-28-2	2,2',3,4',4,5'-Hexacb	589	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	38380-07-3	2,2',3,3',4,4'-Hexacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	2051-24-3	Decacb - Congener	542	DU	542

S-11N-C007-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.8		0.1
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	35065-30-6	2,2',3,3',4,4',5-Heptacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	52663-78-2	2,2',3,3',4,4',5,6-Octacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	7012-37-5	2,4,4'-Tricb	3410	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	35065-27-1	2,2',4,4',5,5'-Hexacb	860	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	32598-14-4	2,3,3',4,4'-Pentacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	52663-68-0	2,2',3,4',5,5',6-Heptacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	542	DU	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	41464-39-5	2,2',3,5'-Tetracb	1710	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	37680-73-2	2,2,4,5,5'-Pentacb	937	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	CS-10386-84-2	DBOB	0	D	
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C007-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	49.8		0.1
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	37680-65-2	2,2',5-Tricb	3200	D	542
S-11N-C007-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	400	31508-00-6	2,3',4,4',5-Pentacb	564	D	542
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-30-6	2,2',3,3',4,4',5-Heptacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	2051-24-3	Decacb - Congener	694	DU	694
S-11N-C008-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	37.6		0.1
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	38380-07-3	2,2',3,3',4,4'-Hexacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	34883-43-7	2,4'-Dicb	2260	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	7012-37-5	2,4,4'-Tricb	3200	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-27-1	2,2',4,4',5,5'-Hexacb	1460	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-29-3	2,2',3,4,4',5,5'-Heptacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	95.2		0.1
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-68-0	2,2',3,4',5,5',6-Heptacb	694	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-65-2	2,2',5-Tricb	3610	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-14-4	2,3,3',4,4'-Pentacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-10-0	2,3',4,4'-Tetracb	2480	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-28-2	2,2',3,4',4,5'-Hexacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	41464-39-5	2,2',3,5'-Tetracb	2620	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-73-2	2,2,4,5,5'-Pentacb	1730	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-10386-84-2	DBOB	0	D	
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35693-99-3	2,2',5,5'-Tetracb	9390	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	31508-00-6	2,3',4,4',5-Pentacb	1100	D	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	694	DU	694
S-11N-C008-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-78-2	2,2',3,3',4,4',5,6-Octacb	694	DU	694
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2	2,2',3,3',4,4',5,6-Octacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0	2,2',3,4',5,5',6-Heptacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0	2,3',4,4'-Tetracb	6140	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2	2,2,4,5,5'-Pentacb	3920	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3	2,2',5,5'-Tetracb	28200	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6	2,3',4,4',5-Pentacb	2700	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7	2,4'-Dicb	9710	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2	2,2',5-Tricb	13300	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4	2,3,3',4,4'-Pentacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2	DBOB	0	D	
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	38.4		0.1
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2	2,2',3,4',4,5'-Hexacb	2700	D	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3	2,2',3,4,4',5,5'-Heptacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3	Decacb - Congener	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1	2,2',4,4',5,5'-Hexacb	3760	D	2700

S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5	2,2',3,5'-Tetracb	7060	D	2700
S-11N-C009-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.4		0.1
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3	2,2',3,3',4,4'-Hexacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6	2,2',3,3',4,4',5'-Heptacb	2700	DU	2700
S-11N-C009-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5	2,4,4'-Tricb	12700	D	2700
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	52663-68-0	2,2',3,4',5,5',6'-Heptacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	38380-07-3	2,2',3,3',4,4'-Hexacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	32598-10-0	2,3',4,4'-Tetracb	10300	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	37680-65-2	2,2',5'-Tricb	23800	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	40186-72-9	2,2',3,3',4,4',5,5',6'-Nonacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	2051-24-3	Decacb - Congener	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	7012-37-5	2,4,4'-Tricb	23400	D	3350
S-11N-C010-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	32.6		0.1
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	31508-00-6	2,3',4,4',5'-Pentacb	3350	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	32598-14-4	2,3,3',4,4'-Pentacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	35065-28-2	2,2',3,4',4,5'-Hexacb	3750	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	52663-78-2	2,2',3,3',4,4',5,6-Octacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	CS-10386-84-2	DBOB	0	D	
S-11N-C010-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.6		0.1
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	35065-29-3	2,2',3,4,4',5,5'-Heptacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	35065-27-1	2,2',4,4',5,5'-Hexacb	6480	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	34883-43-7	2,4'-Dicb	17300	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	35693-99-3	2,2',5,5'-Tetracb	51100	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	35065-30-6	2,2',3,3',4,4',5'-Heptacb	3350	DU	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	37680-73-2	2,2,4,5,5'-Pentacb	6350	D	3350
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C010-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	2500	41464-39-5	2,2',3,5'-Tetracb	12200	D	3350
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-28-2	2,2',3,4',4,5'-Hexacb	182	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-68-0	2,2',3,4',5,5',6'-Heptacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	47.5		0.1
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-27-1	2,2',4,4',5,5'-Hexacb	282	D	132
S-11N-C010-0.5-1.0	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.7		0.1
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35693-99-3	2,2',5,5'-Tetracb	2560	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-73-2	2,2,4,5,5'-Pentacb	270	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-78-2	2,2',3,3',4,4',5,6-Octacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	2051-24-3	Decacb - Congener	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	7012-37-5	2,4,4'-Tricb	1510	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-10-0	2,3',4,4'-Tetracb	410	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-29-3	2,2',3,4,4',5,5'-Heptacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-30-6	2,2',3,3',4,4',5'-Heptacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	40186-72-9	2,2',3,3',4,4',5,5',6'-Nonacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-10386-84-2	DBOB	0	D	
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	34883-43-7	2,4'-Dicb	881	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-65-2	2,2',5'-Tricb	1440	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-14-4	2,3,3',4,4'-Pentacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	38380-07-3	2,2',3,3',4,4'-Hexacb	132	DU	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	41464-39-5	2,2',3,5'-Tetracb	585	D	132
S-11N-C010-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	100	31508-00-6	2,3',4,4',5'-Pentacb	132	D	132
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	38380-07-3	2,2',3,3',4,4'-Hexacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	32598-10-0	2,3',4,4'-Tetracb	173	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	35065-28-2	2,2',3,4',4,5'-Hexacb	69.4	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	35065-29-3	2,2',3,4,4',5,5'-Heptacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	35065-30-6	2,2',3,3',4,4',5'-Heptacb	66.4	DU	66.4

S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	CS-10386-84-2	DBOB	0	D	
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	2051-24-3	Decacb - Congener	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	7012-37-5	2,4,4'-Tricb	460	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	35065-27-1	2,2',4,4',5,5'-Hexacb	109	D	66.4
S-11N-C011-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.7		0.1
S-11N-C011-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	47.4		0.1
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	32598-14-4	2,3,3',4,4'-Pentacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	52663-68-0	2,2',3,4',5,5',6-Heptacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	41464-39-5	2,2',3,5'-Tetracb	208	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	37680-73-2	2,2,4,5,5'-Pentacb	119	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	37680-65-2	2,2',5-Tricb	397	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	35693-99-3	2,2',5,5'-Tetracb	814	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	52663-78-2	2,2',3,3',4,4',5,6-Octacb	66.4	DU	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	31508-00-6	2,3',4,4',5-Pentacb	66.6	D	66.4
S-11N-C011-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	50	34883-43-7	2,4'-Dicb	208	D	66.4
S-11N-C012-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	49.4		0.1
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	52663-68-0	2,2',3,4',5,5',6-Heptacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-30-6	2,2',3,3',4,4',5-Heptacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	37680-65-2	2,2',5-Tricb	234	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35693-99-3	2,2',5,5'-Tetracb	388	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	32598-14-4	2,3,3',4,4'-Pentacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	2051-24-3	Decacb - Congener	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	7012-37-5	2,4,4'-Tricb	270	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-29-3	2,2',3,4,4',5,5'-Heptacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	32598-10-0	2,3',4,4'-Tetracb	77.6	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	41464-39-5	2,2',3,5'-Tetracb	104	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	34883-43-7	2,4'-Dicb	154	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-27-1	2,2',4,4',5,5'-Hexacb	49.7	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	CS-10386-84-2	DBOB	0	D	
S-11N-C012-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.9		0.1
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	38380-07-3	2,2',3,3',4,4'-Hexacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	52663-78-2	2,2',3,3',4,4',5,6-Octacb	26.9	DU	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	37680-73-2	2,2,4,5,5'-Pentacb	51.2	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	31508-00-6	2,3',4,4',5-Pentacb	30.6	D	26.9
S-11N-C012-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	20	35065-28-2	2,2',3,4',4,5'-Hexacb	28.8	D	26.9
S-11N-C013-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.2		0.1
S-11N-C013-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	46.9		0.1
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	34883-43-7	2,4'-Dicb	6200	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-65-2	2,2',5-Tricb	9740	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetracb	13200	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5'-Hexacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4'-Hexacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	7012-37-5	2,4,4'-Tricb	9180	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pentacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	2051-24-3	Decacb - Congener	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5'-Hexacb	1360	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetracb	2200	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Pentacb	1320	D	1320

S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pentacb	1320	D	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-10386-84-2	DBOB	0	D	
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6-Heptacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5-Heptacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1320	DU	1320
S-11N-C013-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetracb	1750	D	1320
S-11N-C013-0.5-1.0	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	45.2		0.1
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	31508-00-6	2,3',4,4',5-Pentacb	266	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-29-3	2,2',3,4,4',5,5'-Heptacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	38380-07-3	2,2',3,3',4,4'-Hexacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-30-6	2,2',3,3',4,4',5-Heptacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	37680-73-2	2,2,4,5,5'-Pentacb	324	D	266
S-11N-C013-0.5-1.0	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	98.2		0.1
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	41464-39-5	2,2',3,5'-Tetracb	426	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35693-99-3	2,2',5,5'-Tetracb	3890	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	52663-68-0	2,2',3,4',5,5',6-Heptacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	52663-78-2	2,2',3,3',4,4',5,6-Octacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	CS-10386-84-2	DBOB	0	D	
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	37680-65-2	2,2',5-Tricb	2560	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	7012-37-5	2,4,4'-Tricb	2520	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	34883-43-7	2,4'-Dicb	1300	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-27-1	2,2',4,4',5,5'-Hexacb	397	D	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	32598-14-4	2,3,3',4,4'-Pentacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	35065-28-2	2,2',3,4',4,5'-Hexacb	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	2051-24-3	Decacb - Congener	266	DU	266
S-11N-C013-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	200	32598-10-0	2,3',4,4'-Tetracb	345	D	266
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	41464-39-5	2,2',3,5'-Tetracb	2370	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-73-2	2,2,4,5,5'-Pentacb	1210	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-10386-84-2	DBOB	0	D	
S-11N-C014-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	41.7		0.1
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	38380-07-3	2,2',3,3',4,4'-Hexacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-29-3	2,2',3,4,4',5,5'-Heptacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-30-6	2,2',3,3',4,4',5-Heptacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35693-99-3	2,2',5,5'-Tetracb	8390	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-14-4	2,3,3',4,4'-Pentacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-68-0	2,2',3,4',5,5',6-Heptacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	34883-43-7	2,4'-Dicb	3130	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	7012-37-5	2,4,4'-Tricb	5650	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-27-1	2,2',4,4',5,5'-Hexacb	1140	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	32598-10-0	2,3',4,4'-Tetracb	1840	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	31508-00-6	2,3',4,4',5-Pentacb	706	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	52663-78-2	2,2',3,3',4,4',5,6-Octacb	669	DU	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	2051-24-3	Decacb - Congener	669	DU	669
S-11N-C014-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.9		0.1
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	37680-65-2	2,2',5-Tricb	4800	D	669
S-11N-C014-0-0.5	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	500	35065-28-2	2,2',3,4',4,5'-Hexacb	686	D	669
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	35065-29-3	2,2',3,4,4',5,5'-Heptacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	32598-14-4	2,3,3',4,4'-Pentacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	33	DU	33

S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	35065-30-6	2,2',3,3',4,4',5-Heptacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	52663-78-2	2,2',3,3',4,4',5,6-Octacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	37680-73-2	2,2,4,5,5'-Pentacb	49.8	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	0	D	
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	34883-43-7	2,4'-Dicb	122	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	37680-65-2	2,2',5-Tricb	178	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	7012-37-5	2,4,4'-Tricb	198	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	35693-99-3	2,2',5,5'-Tetracb	321	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	CS-10386-84-2	DBOB	0	D	
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	31508-00-6	2,3',4,4',5-Pentacb	33	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	52663-68-0	2,2',3,4',5,5',6-Heptacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	38380-07-3	2,2',3,3',4,4'-Hexacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	2051-24-3	Decacb - Congener	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	32598-10-0	2,3',4,4'-Tetracb	73.9	D	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	35065-27-1	2,2',4,4',5,5'-Hexacb	49.6	D	33
S-11N-C014-0.5-1.0	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.8		0.1
S-11N-C014-0.5-1.0	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	41.4		0.1
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	35065-28-2	2,2',3,4',4,5'-Hexacb	33	DU	33
S-11N-C014-0.5-1.0	11/17/2011	3540C	8082 Congeners	SADL1	TOTAL	25	41464-39-5	2,2',3,5'-Tetracb	93.3	D	33
S-11N-C006-0-0.5-DUP	11/17/2011	NO_PREP	2540G	DUP	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED	Solids, Total	97.7		0.1
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-10386-84-2	DBOB	77		
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	7012-37-5	2,4,4'-Tricb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	80		
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-65-2	2,2',5-Tricb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	34883-43-7	2,4'-Dicb	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	MB	TOTAL	1	2051-24-3	Decacb - Congener	1.33	U	1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	85		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	85		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	85		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	34883-43-7	2,4'-Dicb	82		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	84		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	83		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	83		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	84		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	90		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	2051-24-3	Decacb - Congener	77		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	7012-37-5	2,4,4'-Tricb	86		1.33

	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-65-2	2,2',5-Tricb	85		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	84		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-10386-84-2	DBOB	83		
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	78		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	81		1.33
	11/28/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	81		
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	88		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	34883-43-7	2,4'-Dicb	82		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	88		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-10386-84-2	DBOB	83		
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	91		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	89		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	88		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	83		
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	88		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	7012-37-5	2,4,4'-Tricb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	94		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	87		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	89		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	87		
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	85		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	2051-24-3	Decacb - Congener	81		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	89		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	86		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-65-2	2,2',5-Tricb	84		1.33
	11/28/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	82		1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-10386-84-2	DBOB	80		
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-65-2	2,2',5-Tricb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	81		
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	7012-37-5	2,4,4'-Tricb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	34883-43-7	2,4'-Dicb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	MB	TOTAL	1	2051-24-3	Decacb - Congener	1.33	U	1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	108		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	83		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	84		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	83		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-10386-84-2	DBOB	77		
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	34883-43-7	2,4'-Dicb	82		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	81		1.33

	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	78		
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	90		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	81		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	103		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	194		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	74		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	120		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	81		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	95		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	2051-24-3	Decacb - Congener	74		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	7012-37-5	2,4,4'-Tricb	129		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-65-2	2,2',5-Tricb	128		1.33
	11/29/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	90		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Heptacb	89		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	88		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	100		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	91		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-65-2	2,2',5-Tricb	102		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	140		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2	2,2',3,3',4,5,5',6-Octachlorobiphenyl	82		
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	94		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	108		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	104		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptacb	89		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-10386-84-2	DBOB	82		
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	2051-24-3	Decacb - Congener	81		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	7012-37-5	2,4,4'-Tricb	96		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexacb	92		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-Octacb	81		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6-Nonacb	89		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	90		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	103		1.33
	11/29/2011	3540C	8082 Congeners	LCSD	TOTAL	1	34883-43-7	2,4'-Dicb	88		1.33

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SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
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SAMP_ID	RECEIPT_DATE	PREP_METH	ANALYSIS_METH	LAB_QC_CODE	FRACTION	DILUTION	CAS	ANALYTE	VALUE
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	53742-07-7	NONACHLOROBIPHENYL	1.69
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	27323-18-8	MONOCHLOROBIPHENYL	1.69
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	CS-234432-87-2	13c12-2,2',6-Trcb2	90
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	CS-105600-26-8	13c12-2,2',3,3',5,5'	99
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	26601-64-9	HEXACHLOROBIPHENYL	241
S-11N-C002-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.9
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	25323-68-6	TRICHLOROBIPHENYL	724
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	28655-71-2	HEPTACHLOROBIPHENYL	59.6
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	H-2051-24-3_CONC	DECACHLOROBIPHENYL	1.69
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	25429-29-2	PENTACHLOROBIPHENYL	615
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	55722-26-4	OCTACHLOROBIPHENYL	7.56
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	26914-33-0	TETRACHLOROBIPHENYL	1130
S-11N-C002-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	44.9
S-11N-C002-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10	25512-42-9	DICHLOROBIPHENYL	200
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	55722-26-4	OCTACHLOROBIPHENYL	87.4
S-11N-C003-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	98.2
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	53742-07-7	NONACHLOROBIPHENYL	79.4
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	27323-18-8	MONOCHLOROBIPHENYL	142
S-11N-C003-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	48.5
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	26914-33-0	TETRACHLOROBIPHENYL	9400
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	25429-29-2	PENTACHLOROBIPHENYL	4480
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	H-2051-24-3_CONC	DECACHLOROBIPHENYL	6.67
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	CS-105600-26-8	13c12-2,2',3,3',5,5'	76
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	25512-42-9	DICHLOROBIPHENYL	1640
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	25323-68-6	TRICHLOROBIPHENYL	5740
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	28655-71-2	HEPTACHLOROBIPHENYL	265
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	26601-64-9	HEXACHLOROBIPHENYL	1750
S-11N-C003-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	40	CS-234432-87-2	13c12-2,2',6-Trcb2	72
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-73-4	2,2',6-Tricb	4040
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	15968-05-5	2,2',6,6'-Tetracb	231
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	62796-65-0	2,2',4,6-Tetrachloro	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	37680-65-2	2,2',5-Tricb	29600
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2050-68-2	4,4'-Dicb	3780
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-41-9	2,2',5,6'-Tetrachloro	12100
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70362-45-7	2,2',3,6-Tetrachloro	1280
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetracb	67100
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Pentacb	11900
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-60-2	2,2',3,3',6-Pentachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-02-8	2,2',3,4,5'-Pentach	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52712-04-6	2,2',3,4,5,5'-Hexac	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	68194-16-1	2,2',3,3',4,5,6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	33091-17-7	2,2',3,3',4,4',6,6'-C	168

S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-73-7	2,2',3,3',4,5,6,6'-O	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32774-16-6	3,3',4,4',5,5'-Hexad	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25512-42-9	DICHLOROBIPHENY	48900
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	H-2051-24-3_CON	DECACHLOROBIPH	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	15862-07-4	2,4,5-Trichlorobip	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetrach	13400
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-58-8	2,3,4',6-Tetrachlor	14200
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	33979-03-2	2,2',4,4',6,6'-Hexad	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-61-3	2,2',3,5,5'-Pentach	3080
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	56558-17-9	2,3',4,4',6-Pentach	3260
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52744-13-5	2,2',3,3',5,6'-Hexachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	68194-14-9	2,2',3,4,5',6-Hexad	1370
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	68194-13-8	2,2',3,4',5,6-Hexad	1060
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74487-85-7	2,2',3,4',5,6,6'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pentach	3500
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5'-Hexad	8090
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-67-9	2,2',3,3',5,5',6-Hep	311
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-71-5	2,2',3,3',4,4',6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55722-26-4	OCTACHLOROBIPH	1620
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2051-62-9	4-Monocb	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-81-4	2,3',5-Trichlorobip	50100
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70362-46-8	2,2',3,5-Tetrachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-40-8	2,2',4,5'-Tetrachlor	57400
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	68194-05-8	2,2',3,4',6-Pentach	9040
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-01-7	2,2',4,4',5-Pentach	10700
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-51-1	2,2',3',4,5-Pentach	2220
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70362-50-4	3,4,4',5-Tetrach	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70424-70-3	2',3,4,5,5'-Pentach	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35694-06-5	2,2',3,4,4',5-Hexad	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	40186-70-7	2,2',3,3',4,5',6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	42740-50-1	2,2',3,3',4,4',5',6-Octachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-76-0	2,2',3,4,4',5,5',6-O	336
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5,5',6	185
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25429-29-2	PENTACHLOROBIP	97700
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	51908-16-8	2,2',3,4',5,5'-Hexad	1260
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6-Hep	1560
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	40186-71-8	2,2',3,3',4,5',6,6'-O	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35694-08-7	2,2',3,3',4,4',5,5'-O	229
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5	0
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25569-80-6	2,3'-Dichlorobiphe	17900
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	73575-57-2	2,2',3,4,6'-Pentach	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	60145-20-2	2,2',3,3',5-Pentach	615

S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	65510-45-4	2,2',3,4,4'-Pentach	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-03-9	2,3,3',4',6-Pentach	9830
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-62-4	2,2',3,3',4-Pentach	214
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-48-3	2,2',3,4,4',6,6'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-65-7	2,2',3,3',4,6,6'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pentachb	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52712-05-7	2,2',3,4,5,5',6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2136-99-4	2,2',3,3',5,5',6,6'-C	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-70-4	2,2',3,3',4',5,6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-08-4	2,3,3',4,4',5-Hexac	188
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-75-9	2,2',3,3',4,5,5',6'-C	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-79-3	2,2',3,3',4,4',5,6,6'	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25323-68-6	TRICHLOROBIPHEN	180000
S-11N-C006-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	39.6
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2051-60-7	2-Monocb	187
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	68194-04-7	2,2',4,6'-Tetrachlor	5280
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-59-9	2,2',3,4-Tetrachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-46-4	2,3',4',6-Tetrachlor	7800
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-34-7	2,3,4',5-Tetrachlor	242
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	16605-91-7	2,3-Dichlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	34883-43-7	2,4'-Dicb	13800
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	37680-66-3	2,2',4-Trichlorobip	12200
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-78-9	2,2',3-Trichlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-77-8	2,4',6-Trichlorobip	18800
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55712-37-3	2,3',4-Trichlorobip	23600
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	7012-37-5	2,4,4'-Tricb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	16606-02-3	2,4',5-Trichlorobip	50400
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-47-5	2,2',3,6'-Tetrachlor	4330
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-85-8	2,3,4'-Trichlorobip	2480
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2437-79-8	2,2',4,4'-Tetracb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70362-47-9	2,2',4,5-Tetrachlor	15200
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	36559-22-5	2,2',3,4'-Tetrachlor	4330
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-90-5	3,4,4'-Tricb	495
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32690-93-0	2,4,4',5-Tetrachlor	1430
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41464-43-1	2,3,3',4'-Tetrachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	33025-41-1	2,3,4,4'-Tetrachlor	406
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55215-18-4	2,2',3,3',4,5-Hexac	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-66-8	2,2',3,3',4,5'-Hexac	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5'-Hexacb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-44-9	2,3,3',4',5,6-Hexac	4010
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-72-6	2,3',4,4',5,5'-Hexac	616
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4'-Hexacb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	57465-28-8	3,3',4,4',5-Pentacb	168

S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38411-25-5	2,2',3,3',4,5,6'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	69782-90-7	2,3,3',4,4',5'-Hexac	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-50-7	2,3,3',4,4',5',6'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5'-Heptacb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	41411-64-7	2,3,3',4,4',5,6'-Hep	400
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	39635-31-9	2,3,3',4,4',5,5'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-53-0	2,3,3',4,4',5,5',6-O	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2051-24-3	Decacb - Congener	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26914-33-0	TETRACHLOROBIPH	236000
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	28655-71-2	HEPTACHLOROBIPH	3730
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	53742-07-7	NONACHLOROBIPH	168
S-11N-C006-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.5
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	13029-08-8	2,2'-Dicb	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	33146-45-1	2,6-Dichlorobiphen	6040
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55702-45-9	2,3,6-Trichlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-76-7	2,3',6-Trichlorobip	5470
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55702-46-0	2,3,4-Trichlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-86-9	2',3,4-Trichlorobip	1390
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	56558-16-8	2,2',4,6,6'-Pentacb	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38444-93-8	2,2',3,3'-Tetrachlor	1240
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	39485-83-1	2,2',4,4',6-Pentach	1140
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70362-48-0	2',3,4,5-Tetrachlor	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32598-11-1	2,3',4',5-Tetrachlor	922
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32598-13-3	3,3',4,4'-Tetracb	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	70424-68-9	2,3,3',4',5-Pentach	315
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	65510-44-3	2',3,4,4',5-Pentacb	696
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-04-0	2,2',3,4',5',6-Hexac	12100
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-69-1	2,2',3,4,4',5',6-Hep	287
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5'-Hep	630
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-77-1	2,2',3,3',4,5,5',6,6'	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5,6-O	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetracb	1960
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38379-99-6	2,2',3,5',6-Pentach	13500
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	60145-22-4	2,2',4,4',5,6'-Hexac	1240
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38411-22-2	2,2',3,3',6,6'-Hexac	2090
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-63-5	2,2',3,5,5',6-Hexac	1590
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52704-70-8	2,2',3,3',5,6-Hexac	934
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	61798-70-7	2,2',3,3',4,6-Hexac	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-37-0	2,3,4,4',5-Pentacb	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	38380-05-1	2,2',3,3',4,6'-Hexachlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	59291-65-5	2,3',4,4',5',6-Hexac	336
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	74472-42-7	2,3,3',4,4',6-Hexac	270

S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	52663-74-8	2,2',3,3',4,5,5'-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	69782-91-8	2,3,3',4',5,5',6-Hep	168
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	27323-18-8	MONOCHLOROBIPH	449
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26601-64-9	HEXACHLOROBIPH	34100
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	33284-50-3	2,4-Dichlorobiphen	867
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2974-92-7	3,4-Dichlorobiphenyl	
S-11N-C006-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	2974-90-5	3,4'-Dichlorobiphe	5460
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25512-42-9	DICHLOROBIPHENY	6100
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	53742-07-7	NONACHLOROBIPH	215
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	28655-71-2	HEPTACHLOROBIPH	625
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25429-29-2	PENTACHLOROBIPH	13800
S-11N-C007-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	49.8
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	55722-26-4	OCTACHLOROBIPH	229
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-105600-26-8	13c12-2,2',3,3',5,5	97
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26601-64-9	HEXACHLOROBIPH	5010
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-234432-87-2	13c12-2,2',6-Trcb2	94
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25323-68-6	TRICHLOROBIPHEN	23400
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	27323-18-8	MONOCHLOROBIPH	98.5
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26914-33-0	TETRACHLOROBIPH	29500
S-11N-C007-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	H-2051-24-3_CON	DECACHLOROBIPH	16.9
S-11N-C007-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.3
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25429-29-2	PENTACHLOROBIPH	103000
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	28655-71-2	HEPTACHLOROBIPH	5040
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25323-68-6	TRICHLOROBIPHEN	183000
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5	0
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25512-42-9	DICHLOROBIPHENY	50500
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26914-33-0	TETRACHLOROBIPH	235000
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C010-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.3
S-11N-C010-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	32.6
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26601-64-9	HEXACHLOROBIPH	37100
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	27323-18-8	MONOCHLOROBIPH	432
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55722-26-4	OCTACHLOROBIPH	1840
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	53742-07-7	NONACHLOROBIPH	1430
S-11N-C010-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	H-2051-24-3_CON	DECACHLOROBIPH	166
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	55722-26-4	OCTACHLOROBIPH	391
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	CS-105600-26-8	13c12-2,2',3,3',5,5	110
S-11N-C013-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	46.9
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	28655-71-2	HEPTACHLOROBIPH	1360
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	53742-07-7	NONACHLOROBIPH	84.8
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	26914-33-0	TETRACHLOROBIPH	67500
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	H-2051-24-3_CON	DECACHLOROBIPH	84.8
S-11N-C013-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.9

S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	25323-68-6	TRICHLOROBIPHEN	78300
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	CS-234432-87-2	13c12-2,2',6-Trcb2	103
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	25512-42-9	DICHLOROBIPHENY	21900
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	25429-29-2	PENTACHLOROBIP	18400
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	26601-64-9	HEXACHLOROBIPH	7420
S-11N-C013-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	500	27323-18-8	MONOCHLOROBIP	257
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26601-64-9	HEXACHLOROBIPH	5860
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	53742-07-7	NONACHLOROBIPH	189
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	27323-18-8	MONOCHLOROBIP	97.2
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25323-68-6	TRICHLOROBIPHEN	34600
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26914-33-0	TETRACHLOROBIPH	36500
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	55722-26-4	OCTACHLOROBIPH	229
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	28655-71-2	HEPTACHLOROBIP	731
S-11N-C014-0-0.5	11/17/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	41.7
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25512-42-9	DICHLOROBIPHENY	8880
S-11N-C014-0-0.5	11/17/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	96.9
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-234432-87-2	13c12-2,2',6-Trcb2	92
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-105600-26-8	13c12-2,2',3,3',5,5	99
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25429-29-2	PENTACHLOROBIP	16800
S-11N-C014-0-0.5	11/17/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	H-2051-24-3_CON	DECACHLOROBIPH	16.9
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	25429-29-2	PENTACHLOROBIP	418000
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	26914-33-0	TETRACHLOROBIPH	1040000
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	25512-42-9	DICHLOROBIPHENY	680000
S-11N-C015-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	96.8
S-11N-C015-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	33.9
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	26601-64-9	HEXACHLOROBIPH	116000
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	55722-26-4	OCTACHLOROBIPH	1700
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	CS-105600-26-8	13c12-2,2',3,3',5,5	0
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	H-2051-24-3_CON	DECACHLOROBIPH	1670
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	53742-07-7	NONACHLOROBIPH	1670
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	25323-68-6	TRICHLOROBIPHEN	1440000
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	27323-18-8	MONOCHLOROBIP	17800
S-11N-C015-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	10000	28655-71-2	HEPTACHLOROBIP	20000
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	53742-07-7	NONACHLOROBIPH	271
S-11N-C016-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	29.9
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26914-33-0	TETRACHLOROBIPH	369000
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25512-42-9	DICHLOROBIPHENY	167000
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5	0
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55722-26-4	OCTACHLOROBIPH	2000
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	28655-71-2	HEPTACHLOROBIP	5490
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26601-64-9	HEXACHLOROBIPH	44200
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	27323-18-8	MONOCHLOROBIP	2810

S-11N-C016-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.1
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	H-2051-24-3_CON	DECACHLOROBIPH	168
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25323-68-6	TRICHLOROBIPHEN	432000
S-11N-C016-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25429-29-2	PENTACHLOROBIP	149000
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25429-29-2	PENTACHLOROBIP	16300
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25512-42-9	DICHLOROBIPHEN	13700
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-234432-87-2	13c12-2,2',6-Trcb2	91
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	28655-71-2	HEPTACHLOROBIP	834
S-11N-C020-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.9
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	53742-07-7	NONACHLOROBIPH	205
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25323-68-6	TRICHLOROBIPHEN	44300
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	H-2051-24-3_CON	DECACHLOROBIPH	16.6
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26914-33-0	TETRACHLOROBIP	41500
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-105600-26-8	13c12-2,2',3,3',5,5	88
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	55722-26-4	OCTACHLOROBIPH	286
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	27323-18-8	MONOCHLOROBIP	292
S-11N-C020-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	36.8
S-11N-C020-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26601-64-9	HEXACHLOROBIPH	6020
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	53742-07-7	NONACHLOROBIPH	40.1
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	55722-26-4	OCTACHLOROBIPH	173
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25323-68-6	TRICHLOROBIPHEN	26600
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26601-64-9	HEXACHLOROBIPH	3430
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	28655-71-2	HEPTACHLOROBIP	480
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-105600-26-8	13c12-2,2',3,3',5,5	88
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25429-29-2	PENTACHLOROBIP	9090
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	CS-234432-87-2	13c12-2,2',6-Trcb2	87
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	25512-42-9	DICHLOROBIPHEN	8550
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	27323-18-8	MONOCHLOROBIP	146
S-11N-C022-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	46.1
S-11N-C022-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	98.6
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	H-2051-24-3_CON	DECACHLOROBIPH	16.8
S-11N-C022-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	100	26914-33-0	TETRACHLOROBIP	26100
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	H-2051-24-3_CON	DECACHLOROBIPH	166
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5	0
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	53742-07-7	NONACHLOROBIPH	225
S-11N-C023-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.7
S-11N-C023-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	33.9
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	27323-18-8	MONOCHLOROBIP	569
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25323-68-6	TRICHLOROBIPHEN	163000
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	28655-71-2	HEPTACHLOROBIP	3720
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26601-64-9	HEXACHLOROBIPH	30700

S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	55722-26-4	OCTACHLOROBIPHENYL	1840
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25512-42-9	DICHLOROBIPHENYL	44500
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	26914-33-0	TETRACHLOROBIPHENYL	202000
S-11N-C023-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	1000	25429-29-2	PENTACHLOROBIPHENYL	89400
S-11N-C030-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	34.7
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26601-64-9	HEXACHLOROBIPHENYL	77000
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	53742-07-7	NONACHLOROBIPHENYL	393
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	28655-71-2	HEPTACHLOROBIPHENYL	10300
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25429-29-2	PENTACHLOROBIPHENYL	262000
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26914-33-0	TETRACHLOROBIPHENYL	581000
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25512-42-9	DICHLOROBIPHENYL	277000
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	H-2051-24-3_CONC	DECACHLOROBIPHENYL	337
S-11N-C030-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.7
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-105600-26-8	13c12-2,2',3,3',5,5'	0
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25323-68-6	TRICHLOROBIPHENYL	693000
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	55722-26-4	OCTACHLOROBIPHENYL	4070
S-11N-C030-0-0.5	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	27323-18-8	MONOCHLOROBIPHENYL	5310
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25512-42-9	DICHLOROBIPHENYL	517000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	55722-26-4	OCTACHLOROBIPHENYL	3220
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	H-2051-24-3_CONC	DECACHLOROBIPHENYL	336
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26914-33-0	TETRACHLOROBIPHENYL	664000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	28655-71-2	HEPTACHLOROBIPHENYL	7940
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-105600-26-8	13c12-2,2',3,3',5,5'	0
S-11N-C036-0.2-0.	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	97.9
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	53742-07-7	NONACHLOROBIPHENYL	336
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25323-68-6	TRICHLOROBIPHENYL	1040000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25429-29-2	PENTACHLOROBIPHENYL	202000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26601-64-9	HEXACHLOROBIPHENYL	54100
S-11N-C036-0.2-0.	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	38
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	27323-18-8	MONOCHLOROBIPHENYL	13900
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	27323-18-8	MONOCHLOROBIPHENYL	5340
S-11N-C036-0.2-0.	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS	Solids, Total	37.4
S-11N-C036-0.2-0.	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	98.1
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25512-42-9	DICHLOROBIPHENYL	212000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	H-2051-24-3_CONC	DECACHLOROBIPHENYL	332
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26601-64-9	HEXACHLOROBIPHENYL	24800
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	26914-33-0	TETRACHLOROBIPHENYL	314000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25323-68-6	TRICHLOROBIPHENYL	479000
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	28655-71-2	HEPTACHLOROBIPHENYL	3820
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-105600-26-8	13c12-2,2',3,3',5,5'	0
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	CS-234432-87-2	13c12-2,2',6-Trcb2	0

S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	53742-07-7	NONACHLOROBIPHENYL	332
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	25429-29-2	PENTACHLOROBIPHENYL	87800
S-11N-C036-0.2-0.	11/23/2011	3540C	105,680/8270C-SIN	SADL1	TOTAL	2000	55722-26-4	OCTACHLOROBIPHENYL	2900
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	25512-42-9	DICHLOROBIPHENYL	0.391
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	CS-105600-26-8	13c12-2,2',3,3',5,5'-Tetrachlorobiphenyl	103
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	CS-234432-87-2	13c12-2,2',6-Trichlorobiphenyl	96
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	27323-18-8	MONOCHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	25323-68-6	TRICHLOROBIPHENYL	1.05
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	26914-33-0	TETRACHLOROBIPHENYL	0.748
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	53742-07-7	NONACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	55722-26-4	OCTACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	H-2051-24-3_CON	DECACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	26601-64-9	HEXACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	25429-29-2	PENTACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	MB	TOTAL	1	28655-71-2	HEPTACHLOROBIPHENYL	0.167
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2050-68-2	4,4'-Dicb	93
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	90
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	16605-91-7	2,3-Dichlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	34883-43-7	2,4'-Dicb	98
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	37680-65-2	2,2',5-Tricb	92
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	97
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	111
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-60-2	2,2',3,3',6-Pentachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-01-7	2,2',4,4',5-Pentach	103
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	102
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	74472-42-7	2,3,3',4,4',6-Hexac	96
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2051-62-9	4-Monocb	105
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	62796-65-0	2,2',4,6-Tetrachlorobiphenyl	105
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	103
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	98
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	74472-44-9	2,3,3',4',5,6-Hexachlorobiphenyl	82
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-03-9	2,3,3',4',6-Pentach	92
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-63-5	2,2',3,5,5',6-Hexachlorobiphenyl	93
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32598-13-3	3,3',4,4'-Tetracb	98
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-04-0	2,2',3,4',5',6-Hexachlorobiphenyl	101
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	91
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2051-60-7	2-Monocb	101
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	7012-37-5	2,4,4'-Tricb	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	16606-02-3	2,4',5-Trichlorobiphenyl	96
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32690-93-0	2,4,4',5-Tetrachlorobiphenyl	101

	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	41464-43-1	2,3,3',4'-Tetrachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	94
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	94
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	89
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	70362-46-8	2,2',3,5-Tetrachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	106
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38444-90-5	3,4,4'-Trichlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	70362-50-4	3,4,4',5-Tetrachlorobiphenyl	101
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-69-1	2,2',3,4,4',5',6'-Heptachlorobiphenyl	96
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	95
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl	91
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	74472-53-0	2,3,3',4,4',5,5',6-Octachlorobiphenyl	97
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	13029-08-8	2,2'-Dichlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	33146-45-1	2,6-Dichlorobiphenyl	113
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	97
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2437-79-8	2,2',4,4'-Tetrachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	70362-47-9	2,2',4,5-Tetrachlorobiphenyl	98
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	97
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	74
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-70-4	2,2',3,3',4',5,6-Heptachlorobiphenyl	91
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	84
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	CS-234432-87-2	13c12-2,2',6-Trichlorobiphenyl	86
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	CS-105600-26-8	13c12-2,2',3,3',5,5'-Pentachlorobiphenyl	93
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	99
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	100
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	41411-64-7	2,3,3',4,4',5,6-Heptachlorobiphenyl	76
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	96
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	90
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-77-1	2,2',3,3',4,5,5',6'-Hexachlorobiphenyl	94
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6'-Hexachlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38444-73-4	2,2',6-Trichlorobiphenyl	104
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	103
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	15862-07-4	2,4,5-Trichlorobiphenyl	88
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	70362-45-7	2,2',3,6-Tetrachlorobiphenyl	112
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	98
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	32598-11-1	2,3',4',5-Tetrachlorobiphenyl	99
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	94
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	38411-25-5	2,2',3,3',4,5,6'-Heptachlorobiphenyl	100
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	95

	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	52663-68-0	2,2',3,4',5,5',6'-Hep	93
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	39635-31-9	2,3,3',4,4',5,5'-Hep	93
	12/12/2011	3540C	105,680/8270C-SIN	LCS	TOTAL	1	2051-24-3	Decacb - Congener	88
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2051-62-9	4-Monocb	106
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	7012-37-5	2,4,4'-Tricb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	16606-02-3	2,4',5-Trichlorobip	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-01-7	2,2',4,4',5-Pentach	106
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-72-6	2,3',4,4',5,5'-Hexac	101
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-07-3	2,2',3,3',4,4'-Hexacb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-77-1	2,2',3,3',4,5,5',6,6'	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	74472-53-0	2,3,3',4,4',5,5',6-O	102
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	15862-07-4	2,4,5-Trichlorobip	90
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	70362-45-7	2,2',3,6-Tetrachlor	116
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	70362-46-8	2,2',3,5-Tetrachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	41464-40-8	2,2',4,5'-Tetrachlor	110
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	33979-03-2	2,2',4,4',6,6'-Hexac	107
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35694-08-7	2,2',3,3',4,4',5,5'-C	97
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	CS-234432-87-2	13c12-2,2',6-Trcb2	91
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32690-93-0	2,4,4',5-Tetrachlor	107
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32598-10-0	2,3',4,4'-Tetracb	102
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35693-99-3	2,2',5,5'-Tetracb	102
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	56558-16-8	2,2',4,6,6'-Pentacb	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38444-90-5	3,4,4'-Tricb	92
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-03-9	2,3,3',4',6-Pentach	95
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	70362-50-4	3,4,4',5-Tetracb	107
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-63-5	2,2',3,5,5',6-Hexac	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32598-13-3	3,3',4,4'-Tetracb	102
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35065-29-3	2,2',3,4,4',5,5'-Hep	97
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35065-30-6	2,2',3,3',4,4',5-Heptacb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	41411-64-7	2,3,3',4,4',5,6-Hep	81
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	31508-00-6	2,3',4,4',5-Pentacb	104
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35065-27-1	2,2',4,4',5,5'-Hexac	96
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	40186-72-9	2,2',3,3',4,4',5,5',6	92
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2051-60-7	2-Monocb	101
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	13029-08-8	2,2'-Dicb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	33146-45-1	2,6-Dichlorobiphen	115
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	37680-65-2	2,2',5-Tricb	96
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	15968-05-5	2,2',6,6'-Tetracb	104
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32598-11-1	2,3',4',5-Tetrachlor	104
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	69782-90-7	2,3,3',4,4',5'-Hexac	90
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	35065-28-2	2,2',3,4',4,5'-Hexacb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	74472-44-9	2,3,3',4',5,6-Hexac	90

	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	74472-42-7	2,3,3',4,4',6-Hexac	103
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32598-14-4	2,3,3',4,4'-Pentacb	94
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	39635-31-9	2,3,3',4,4',5,5'-Hep	100
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38444-73-4	2,2',6-Tricb	106
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2050-68-2	4,4'-Dicb	94
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	41464-39-5	2,2',3,5'-Tetracb	100
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38379-99-6	2,2',3,5',6-Pentach	98
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	37680-73-2	2,2,4,5,5'-Pentacb	116
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-60-2	2,2',3,3',6-Pentachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	57465-28-8	3,3',4,4',5-Pentacb	80
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-70-4	2,2',3,3',4',5,6-Hep	97
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-69-1	2,2',3,4,4',5',6-Hep	103
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	40186-71-8	2,2',3,3',4,5',6,6'-O	94
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-78-2	2,2',3,3',4,4',5,6-O	95
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2437-79-8	2,2',4,4'-Tetracb	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	70362-47-9	2,2',4,5-Tetrachlor	102
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-04-0	2,2',3,4',5',6-Hexac	106
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38411-25-5	2,2',3,3',4,5,6'-Hep	106
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2136-99-4	2,2',3,3',5,5',6,6'-O	105
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	CS-105600-26-8	13c12-2,2',3,3',5,5'	96
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	60145-22-4	2,2',4,4',5,6'-Hexac	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	65510-44-3	2',3,4,4',5-Pentacb	105
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	32774-16-6	3,3',4,4',5,5'-Hexac	96
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	16605-91-7	2,3-Dichlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	34883-43-7	2,4'-Dicb	100
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	62796-65-0	2,2',4,6-Tetrachlor	109
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	41464-43-1	2,3,3',4'-Tetrachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	33025-41-1	2,3,4,4'-Tetrachlor	98
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-02-8	2,2',3,4,5'-Pentach	107
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	38380-08-4	2,3,3',4,4',5-Hexac	98
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	74487-85-7	2,2',3,4',5,6,6'-Hep	92
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	51908-16-8	2,2',3,4',5,5'-Hexac	94
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	74472-37-0	2,3,4,4',5-Pentacb	105
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl	
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	52663-68-0	2,2',3,4',5,5',6-Hep	99
	12/12/2011	3540C	105,680/8270C-SIN	LCSD	TOTAL	1	2051-24-3	Decacb - Congener	91
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5-Heptacb	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	41411-64-7	2,3,3',4,4',5,6-Hep	65.2
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	74472-53-0	2,3,3',4,4',5,5',6-O	103
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	16605-91-7	2,3-Dichlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	34883-43-7	2,4'-Dicb	152
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38444-73-4	2,2',6-Tricb	115
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	33979-03-2	2,2',4,4',6,6'-Hexac	97.7

S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	74487-85-7	2,2',3,4',5,6,6'-Hep	87.4
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5'-Hexac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5'-Hep	78.6
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pentacb	125
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-03-9	2,3,3',4',6-Pentach	45.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetracb	91
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	70362-46-8	2,2',3,5-Tetrachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	41464-40-8	2,2',4,5'-Tetrachlor	30.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38444-90-5	3,4,4'-Tricb	80.7
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32598-13-3	3,3',4,4'-Tetracb	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	40186-71-8	2,2',3,3',4,5',6,6'-C	127
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6-Hep	78.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38411-25-5	2,2',3,3',4,5,6'-Hep	155
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5'	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2051-62-9	4-Monocb	103
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	74472-37-0	2,3,4,4',5-Pentacb	96.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-70-4	2,2',3,3',4',5,6-Hep	122
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32774-16-6	3,3',4,4',5,5'-Hexac	92.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-77-1	2,2',3,3',4,5,5',6,6'	130
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	74472-42-7	2,3,3',4,4',6-Hexac	81.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-69-1	2,2',3,4,4',5',6-Hep	81.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2051-60-7	2-Monocb	75.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	15862-07-4	2,4,5-Trichlorobiph	123
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetracb	106
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-02-8	2,2',3,4,5'-Pentach	361
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-63-5	2,2',3,5,5',6-Hexac	78.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	65510-44-3	2',3,4,4',5-Pentacb	95.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	51908-16-8	2,2',3,4',5,5'-Hexac	72.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Trcb2	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	39635-31-9	2,3,3',4,4',5,5'-Hep	103
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-72-6	2,3',4,4',5,5'-Hexac	94.7
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4'-Hexacb	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5,6-O	102
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35694-08-7	2,2',3,3',4,4',5,5'-C	93.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2051-24-3	Decacb - Congener	126
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	70362-45-7	2,2',3,6-Tetrachlor	94.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38379-99-6	2,2',3,5',6-Pentach	30.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	41464-43-1	2,3,3',4'-Tetrachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	33025-41-1	2,3,4,4'-Tetrachlor	92.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-01-7	2,2',4,4',5-Pentach	121
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2437-79-8	2,2',4,4'-Tetracb	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	70362-47-9	2,2',4,5-Tetrachlor	60.7

S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32690-93-0	2,4,4',5-Tetrachlor	85
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	32598-11-1	2,3',4',5-Tetrachlor	84.4
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	69782-90-7	2,3,3',4,4',5'-Hexachlor	83.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	35065-28-2	2,2',3,3',4,4',5,5'-Hexachlor	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	74472-44-9	2,3,3',4',5,6-Hexachlor	30.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	57465-28-8	3,3',4,4',5-Pentachlor	112
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5,5',6'-Hexachlor	96.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	13029-08-8	2,2'-Dicb	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	33146-45-1	2,6-Dichlorobiphenyl	109
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2050-68-2	4,4'-Dicb	91
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	15968-05-5	2,2',6,6'-Tetrachlor	89.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	7012-37-5	2,4,4'-Tricb	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	16606-02-3	2,4',5-Trichlorobiphenyl	258
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Pentachlor	152
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	52663-60-2	2,2',3,3',6-Pentachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	60145-22-4	2,2',4,4',5,6'-Hexachlor	48.6
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetrachlor	152
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-08-4	2,3,3',4,4',5-Hexachlor	67.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	2136-99-4	2,2',3,3',5,5',6,6'-Octachlor	110
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	37680-65-2	2,2',5-Tricb	212
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	62796-65-0	2,2',4,6-Tetrachlor	136
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	70362-50-4	3,4,4',5-Tetrachlor	88.6
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	56558-16-8	2,2',4,6,6'-Pentachlor	96.2
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	38380-04-0	2,2',3,4',5',6-Hexachlor	30.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pentachlor	97.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	69782-90-7	2,3,3',4,4',5'-Hexachlor	86.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32690-93-0	2,4,4',5-Tetrachlor	65.2
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-77-1	2,2',3,3',4,5,5',6,6'-Octachlor	124
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-70-4	2,2',3,3',4',5,6-Hepachlor	115
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35694-08-7	2,2',3,3',4,4',5,5'-Octachlor	83.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	CS-234432-87-2	13c12-2,2',6-Tricb2	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetrachlor	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	56558-16-8	2,2',4,6,6'-Pentachlor	83.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5'-Hexachlor	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-08-4	2,3,3',4,4',5-Hexachlor	65.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32774-16-6	3,3',4,4',5,5'-Hexachlor	73.7
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	74472-53-0	2,3,3',4,4',5,5',6-Octachlor	87
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38444-73-4	2,2',6-Tricb	58.7
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	15968-05-5	2,2',6,6'-Tetrachlor	69.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	60145-22-4	2,2',4,4',5,6'-Hexachlor	35.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-03-9	2,3,3',4',6-Pentachlor	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	70362-50-4	3,4,4',5-Tetrachlor	91
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32598-11-1	2,3',4',5-Tetrachlor	64.6

S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38411-25-5	2,2',3,3',4,5,6'-Hep	129
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	41464-43-1	2,3,3',4'-Tetrachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	33025-41-1	2,3,4,4'-Tetrachlor	74.7
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-02-8	2,2',3,4,5'-Pentach	320
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2437-79-8	2,2',4,4'-Tetrac	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	70362-47-9	2,2',4,5-Tetrachlor	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	33979-03-2	2,2',4,4',6,6'-Hexac	88.4
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2136-99-4	2,2',3,3',5,5',6,6'-C	106
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	62796-65-0	2,2',4,6-Tetrachlor	142
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	70362-45-7	2,2',3,6-Tetrachlor	75
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetrac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38444-90-5	3,4,4'-Tric	62.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32598-13-3	3,3',4,4'-Tetrac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	74472-42-7	2,3,3',4,4',6-Hexac	65.2
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-01-7	2,2',4,4',5-Pentach	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5'-Hexac	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	74472-44-9	2,3,3',4',5,6-Hexac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5'-Hep	53.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5,6-O	98.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-69-1	2,2',3,4,4',5',6-Hep	77.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-72-6	2,3',4,4',5,5'-Hexac	69.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4'-Hexac	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	7012-37-5	2,4,4'-Tric	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	16606-02-3	2,4',5-Trichlorobip	16.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-63-5	2,2',3,5,5',6-Hexac	35.9
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetrac	68.5
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38380-04-0	2,2',3,4',5',6-Hexac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pentac	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	39635-31-9	2,3,3',4,4',5,5'-Hep	99.4
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6-Hep	32.6
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	57465-28-8	3,3',4,4',5-Pentac	172
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5,5',6	55.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2051-24-3	Decac - Congener	106
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2051-60-7	2-Monoc	75.3
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2051-62-9	4-Monoc	105
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	13029-08-8	2,2'-Dic	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	33146-45-1	2,6-Dichlorobiphen	104
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	16605-91-7	2,3-Dichlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	34883-43-7	2,4'-Dic	97.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	37680-65-2	2,2',5-Tric	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	15862-07-4	2,4,5-Trichlorobip	118
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	38379-99-6	2,2',3,5',6-Pentach	0

S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	70362-46-8	2,2',3,5-Tetrachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	76.6
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	74487-85-7	2,2',3,4',5,6,6'-Hexachlorobiphenyl	83.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	26.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	85.1
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	41411-64-7	2,3,3',4,4',5,6-Hexachlorobiphenyl	51.8
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	119
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	CS-105600-26-8	13c12-2,2',3,3',5,5'-Pentachlorobiphenyl	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	2050-68-2	4,4'-Dichlorobiphenyl	78.2
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Pentachlorobiphenyl	0
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	52663-60-2	2,2',3,3',6-Pentachlorobiphenyl	
S-11N-C006-0-0.5-	11/17/2011	3540C	105,680/8270C-SIN	MSDDL1	TOTAL	1000	40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	118
S-11N-C036-0.2-0.1	11/23/2011	NO_PREP	2540G	REP	TOTAL	1	PCT_SOLIDS_CONC	Solids, Total	98.4

LAB_QUAL	DETECT_LIMIT	DETECT_LIMIT_CO	UNIT	ANALYSIS_DATE	SDG	LAB_SAMP_ID	LAB	SAMP_PREP_DATE	SAMP_WGT_VOL
DU	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
DU	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D		RL	PCT_REC	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D		RL	PCT_REC	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
	0.1	RL	PCT	12/13/2011	L1119294	L1119294-01	AAL		5
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
DU	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
	0.1	RL	PCT	11/18/2011	L1119294	L1119294-01	AAL		5
D	1.69	RL	UG/KG	12/17/2011	L1119294	L1119294-01	AAL	12/12/2011	30.27
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
	0.1	RL	PCT	12/13/2011	L1119294	L1119294-02	AAL		5
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
	0.1	RL	PCT	11/18/2011	L1119294	L1119294-02	AAL		5
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
DU	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D		RL	PCT_REC	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	6.67	RL	UG/KG	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D		RL	PCT_REC	12/18/2011	L1119294	L1119294-02	AAL	12/12/2011	30.52
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
CD	336	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
C101	336	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU	168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54

[illegible]

[illegible]

[illegible]

DU		168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
DU		168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D		168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D		168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D		168	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
C13		336	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
CD		336	RL	UG/KG	12/18/2011	L1119294	L1119294-03	AAL	12/12/2011	30.54
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
		0.1	RL	PCT	11/18/2011	L1119294	L1119294-04	AAL		5
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
D		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
DU		16.9	RL	UG/KG	12/17/2011	L1119294	L1119294-04	AAL	12/12/2011	30.34
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-04	AAL		5
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-05	AAL		5
		0.1	RL	PCT	11/18/2011	L1119294	L1119294-05	AAL		5
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
DU		166	RL	UG/KG	12/17/2011	L1119294	L1119294-05	AAL	12/12/2011	30.9
D		84.8	RL	UG/KG	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
		0.1	RL	PCT	11/18/2011	L1119294	L1119294-06	AAL		5
D		84.8	RL	UG/KG	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
DU		84.8	RL	UG/KG	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
D		84.8	RL	UG/KG	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
DU		84.8	RL	UG/KG	12/17/2011	L1119294	L1119294-06	AAL	12/12/2011	30.11
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-06	AAL		5

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D		166	RL	UG/KG	12/18/2011	L1119294	L1119294-13	AAL	12/12/2011	30.75
D		166	RL	UG/KG	12/18/2011	L1119294	L1119294-13	AAL	12/12/2011	30.75
D		166	RL	UG/KG	12/18/2011	L1119294	L1119294-13	AAL	12/12/2011	30.75
D		166	RL	UG/KG	12/18/2011	L1119294	L1119294-13	AAL	12/12/2011	30.75
		0.1	RL	PCT	11/30/2011	L1119294	L1119294-14	AAL		5
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
DU		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-14	AAL		5
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		337	RL	UG/KG	12/17/2011	L1119294	L1119294-14	AAL	12/12/2011	30.34
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
DU		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D			RL	PCT_REC	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-15	AAL		5
DU		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
		0.1	RL	PCT	11/30/2011	L1119294	L1119294-15	AAL		5
D			RL	PCT_REC	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		336	RL	UG/KG	12/18/2011	L1119294	L1119294-15	AAL	12/12/2011	30.4
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
		0.1	RL	PCT	11/30/2011	L1119294	L1119294-16	AAL		5
		0.1	RL	PCT	12/13/2011	L1119294	L1119294-16	AAL		5
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
DU		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D		332	RL	UG/KG	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7
D			RL	PCT_REC	12/17/2011	L1119294	L1119294-16	AAL	12/12/2011	30.7

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C49	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
CD	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
C190	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
CD	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D		RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
CD	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
C101	383	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
D	192	RL	PCT_REC	12/18/2011	L1119294	WG507407-5	AAL	12/12/2011	26.75
	0.1	RL	PCT	12/13/2011	L1119294	WG507779-1	AAL		5

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ANALYTICAL REPORT

Lab Number:	L1119294
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	12/20/11

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119294-01	S-11N-C002-0-0.5	NEW BEDFORD, MA	11/15/11 10:56
L1119294-02	S-11N-C003-0-0.5	NEW BEDFORD, MA	11/15/11 11:16
L1119294-03	S-11N-C006-0-0.5	NEW BEDFORD, MA	11/15/11 12:05
L1119294-04	S-11N-C007-0-0.5	NEW BEDFORD, MA	11/15/11 12:16
L1119294-05	S-11N-C010-0-0.5	NEW BEDFORD, MA	11/15/11 13:12
L1119294-06	S-11N-C013-0-0.5	NEW BEDFORD, MA	11/15/11 14:12
L1119294-07	S-11N-C014-0-0.5	NEW BEDFORD, MA	11/15/11 14:27
L1119294-08	S-11N-C015-0-0.5	NEW BEDFORD, MA	11/17/11 15:06
L1119294-09	S-11N-C016-0-0.5	NEW BEDFORD, MA	11/17/11 13:56
L1119294-10	S-11N-C016-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:56
L1119294-11	S-11N-C020-0-0.5	NEW BEDFORD, MA	11/17/11 10:19
L1119294-12	S-11N-C022-0-0.5	NEW BEDFORD, MA	11/17/11 10:48
L1119294-13	S-11N-C023-0-0.5	NEW BEDFORD, MA	11/17/11 11:06
L1119294-14	S-11N-C030-0-0.5	NEW BEDFORD, MA	11/17/11 13:35
L1119294-15	S-11N-C036-0.2-0.7	NEW BEDFORD, MA	11/22/11 09:19
L1119294-16	S-11N-C036-0.2-0.7-REP	NEW BEDFORD, MA	11/22/11 09:19

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 17 and 23, 2011 and initial percent solids were performed. The samples were placed in frozen storage after air-drying. Samples were removed from frozen storage on December 12, 2011 when they were removed to extract samples for PCB Homolog analysis and analyze for air-dried percent solids.

PCB Homolog

L1119294-01 was analyzed at a dilution due to the sample matrix.

L1119294-02 through -09 and -11 through 16 as well as the associated QC samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Case Narrative (continued)

The surrogate recoveries for L1119294-03, -05, -08, -09, -13, -14, -15, -16 are below the acceptance criteria for Cl3-BZ#19-C13 (0%) and Cl8-BZ#202-C13 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG507407-1 Method Blank, associated with L1119294-01 through -09 and -11 through -16, has a concentration above the reporting limit for Dichlorobiphenyls, Trichlorobiphenyls and Tetrachlorobiphenyls. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 5x the blank concentration for this analyte. It should be noted that no "B" flags were applied.

The WG507407-4/-5 MS/MSD recoveries, performed on L1119294-03, were outside the acceptance criteria for several compounds due to the high concentrations detected in the native sample. The associated LCS/LCSD recoveries were within criteria. The WG507407 MS/MSD RPDs, performed on L1119294-03, are above the acceptance criteria for Cl5-BZ#126 (35%) and Cl9-BZ#206 (35%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 12/20/11

ORGANICS

SEMIVOLATILES

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-01
Client ID: S-11N-C002-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 10:18
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 10:56
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	ND		ug/kg	1.69	--	10
Dichlorobiphenyls	200		ug/kg	1.69	--	10
Trichlorobiphenyls	724		ug/kg	1.69	--	10
Tetrachlorobiphenyls	1130		ug/kg	1.69	--	10
Pentachlorobiphenyls	615		ug/kg	1.69	--	10
Hexachlorobiphenyls	241		ug/kg	1.69	--	10
Heptachlorobiphenyls	59.6		ug/kg	1.69	--	10
Octachlorobiphenyls	7.56		ug/kg	1.69	--	10
Nonachlorobiphenyls	ND		ug/kg	1.69	--	10
Decachlorobiphenyl	ND		ug/kg	1.69	--	10
Total Homologs	2980		ug/kg	1.69	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	90		50-125
Cl8-BZ#202-C13	99		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-02
Client ID: S-11N-C003-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 13:56
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 11:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	142		ug/kg	6.67	--	40
Dichlorobiphenyls	1640		ug/kg	6.67	--	40
Trichlorobiphenyls	5740		ug/kg	6.67	--	40
Tetrachlorobiphenyls	9400		ug/kg	6.67	--	40
Pentachlorobiphenyls	4480		ug/kg	6.67	--	40
Hexachlorobiphenyls	1750		ug/kg	6.67	--	40
Heptachlorobiphenyls	265		ug/kg	6.67	--	40
Octachlorobiphenyls	87.4		ug/kg	6.67	--	40
Nonachlorobiphenyls	79.4		ug/kg	6.67	--	40
Decachlorobiphenyl	ND		ug/kg	6.67	--	40
Total Homologs	23600		ug/kg	6.67	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	72		50-125
Cl8-BZ#202-C13	76		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03
Client ID: S-11N-C006-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 14:52
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 12:05
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Cl1-BZ#1	187		ug/kg	168	--	1000
CL1-BZ#3	ND		ug/kg	168	--	1000
Cl2-BZ#4/#10	6040		ug/kg	336	--	1000
Cl2-BZ#7	867		ug/kg	168	--	1000
Cl2-BZ#6	17900		ug/kg	168	--	1000
Cl2-BZ#5/#8	13800		ug/kg	336	--	1000
Cl3-BZ#19	4040		ug/kg	168	--	1000
CL2-BZ#12/#13	5460		ug/kg	336	--	1000
Cl3-BZ#18	29600		ug/kg	168	--	1000
Cl3-BZ#17	12200		ug/kg	168	--	1000
CL3-BZ#16/#32	18800		ug/kg	336	--	1000
CL3-BZ#24/#27	5470		ug/kg	336	--	1000
Cl2-BZ#15	3780		ug/kg	168	--	1000
Cl4-BZ#54	231		ug/kg	168	--	1000
Cl3-BZ#29	ND		ug/kg	168	--	1000
Cl4-BZ#50	ND		ug/kg	168	--	1000
Cl3-BZ#26	50100		ug/kg	168	--	1000
Cl3-BZ#25	23600		ug/kg	168	--	1000
Cl3-BZ#28/#31	50400		ug/kg	336	--	1000
Cl4-BZ#53	12100		ug/kg	168	--	1000
Cl4-BZ#51	5280		ug/kg	168	--	1000
Cl3-Bz#21/#33	1390		ug/kg	336	--	1000
Cl4-BZ#45	1280		ug/kg	168	--	1000
Cl4-Bz#46	4330		ug/kg	168	--	1000
Cl3-BZ#22	2480		ug/kg	168	--	1000
Cl4-BZ#52	67100		ug/kg	168	--	1000
Cl4-BZ#43/#49	57400		ug/kg	336	--	1000
Cl4-Bz#47/#48	15200		ug/kg	336	--	1000
Cl5-BZ#104	ND		ug/kg	168	--	1000
Cl4-BZ#44	13400		ug/kg	168	--	1000
Cl4-BZ#42	4330		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Cl4-BZ#40	1240		ug/kg	168	--	1000
Cl3-BZ#37	495		ug/kg	168	--	1000
Cl4-Bz#41/#71	7800		ug/kg	336	--	1000
Cl4-Bz#64	14200		ug/kg	168	--	1000
Cl5-BZ#100	1140		ug/kg	168	--	1000
Cl4-BZ#76	ND		ug/kg	168	--	1000
Cl4-BZ#63	242		ug/kg	168	--	1000
Cl4-BZ#74	1430		ug/kg	168	--	1000
Cl6-BZ#155	ND		ug/kg	168	--	1000
Cl4-BZ#70	922		ug/kg	168	--	1000
Cl5-BZ#91	9040		ug/kg	168	--	1000
Cl4-BZ#66	1960		ug/kg	168	--	1000
Cl5-BZ#95	13500		ug/kg	168	--	1000
Cl4-BZ#56/#60	406		ug/kg	336	--	1000
Cl5-BZ#92	3080		ug/kg	168	--	1000
Cl5-BZ#101/#84	11900		ug/kg	336	--	1000
Cl5-BZ#89	ND		ug/kg	168	--	1000
Cl5-BZ#99	10700		ug/kg	168	--	1000
Cl5-BZ#119	3260		ug/kg	168	--	1000
Cl5-BZ#83	615		ug/kg	168	--	1000
Cl5-BZ#97	2220		ug/kg	168	--	1000
Cl6-BZ#154	1240		ug/kg	168	--	1000
Cl6-BZ#136	2090		ug/kg	168	--	1000
Cl5-BZ#85	ND		ug/kg	168	--	1000
Cl5-BZ#110	9830		ug/kg	168	--	1000
Cl4-BZ#81	ND		ug/kg	168	--	1000
Cl5-BZ#87	ND		ug/kg	168	--	1000
Cl6-BZ#151	1590		ug/kg	168	--	1000
Cl6-BZ#135/#144	1370		ug/kg	336	--	1000
Cl5-BZ#82	214		ug/kg	168	--	1000
Cl4-BZ#77	ND		ug/kg	168	--	1000
Cl5-BZ#124	ND		ug/kg	168	--	1000
Cl5-BZ#107	315		ug/kg	168	--	1000
Cl5-BZ#123	696		ug/kg	168	--	1000
Cl6-BZ#147	1060		ug/kg	168	--	1000
Cl6-BZ#149	12100		ug/kg	168	--	1000
Cl7-BZ#188	ND		ug/kg	168	--	1000
Cl6-BZ#134	934		ug/kg	168	--	1000
Cl5-BZ#118	3500		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
CI6-BZ#131	ND		ug/kg	168	--	1000
CI7-BZ#184	ND		ug/kg	168	--	1000
CI6-BZ#146	1260		ug/kg	168	--	1000
CI5-BZ#114	ND		ug/kg	168	--	1000
CI6-BZ#153	8090		ug/kg	168	--	1000
CI6-BZ#132/#168	ND		ug/kg	336	--	1000
CI6-BZ#141	ND		ug/kg	168	--	1000
CI7-BZ#176	ND		ug/kg	168	--	1000
CI6-BZ#129	ND		ug/kg	168	--	1000
CI6-BZ#130	ND		ug/kg	168	--	1000
CI6-BZ#138/#163	4010		ug/kg	336	--	1000
CI6-BZ#158	270		ug/kg	168	--	1000
CI5-BZ#105	ND		ug/kg	168	--	1000
CI6-BZ#137	ND		ug/kg	168	--	1000
CI7-BZ#178	311		ug/kg	168	--	1000
CI7-BZ#175	ND		ug/kg	168	--	1000
CI7-BZ#182/#187	1560		ug/kg	336	--	1000
CI7-BZ#183	287		ug/kg	168	--	1000
CI6-BZ#167/#128	616		ug/kg	336	--	1000
CI5-BZ#126	ND		ug/kg	168	--	1000
CI7-BZ#185	ND		ug/kg	168	--	1000
CI7-BZ#174	ND		ug/kg	168	--	1000
CI8-BZ#202	ND		ug/kg	168	--	1000
CI7-BZ#177	ND		ug/kg	168	--	1000
CI7-BZ#171	ND		ug/kg	168	--	1000
CI7-BZ#173	ND		ug/kg	168	--	1000
CI8-BZ#197	ND		ug/kg	168	--	1000
CI7-BZ#172	ND		ug/kg	168	--	1000
CI6-BZ#156	188		ug/kg	168	--	1000
CI8-BZ#200-CAL	ND		ug/kg	168	--	1000
CI6-BZ#157	ND		ug/kg	168	--	1000
CI7-BZ#180	630		ug/kg	168	--	1000
CI7-BZ#193	ND		ug/kg	168	--	1000
CI8-BZ#199	ND		ug/kg	168	--	1000
CI7-BZ#191	ND		ug/kg	168	--	1000
CI7-BZ#170/#190	400		ug/kg	336	--	1000
CI8-BZ#201	ND		ug/kg	168	--	1000
CI8-BZ#196/203	ND		ug/kg	336	--	1000
CI6-BZ#169	ND		ug/kg	168	--	1000

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-03

Date Collected: 11/15/11 12:05

Client ID: S-11N-C006-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
CI9-BZ#208	ND		ug/kg	168	--	1000
CI9-BZ#207	ND		ug/kg	168	--	1000
CI7-BZ#189	ND		ug/kg	168	--	1000
CI8-BZ#195	ND		ug/kg	168	--	1000
CI8-BZ#194	229		ug/kg	168	--	1000
CI8-BZ#205	ND		ug/kg	168	--	1000
CI9-BZ#206	185		ug/kg	168	--	1000
CI10-BZ#209	ND		ug/kg	168	--	1000
Monochlorobiphenyls	449		ug/kg	168	--	1000
Dichlorobiphenyls	48900		ug/kg	168	--	1000
Trichlorobiphenyls	180000		ug/kg	168	--	1000
Tetrachlorobiphenyls	236000		ug/kg	168	--	1000
Pentachlorobiphenyls	97700		ug/kg	168	--	1000
Hexachlorobiphenyls	34100		ug/kg	168	--	1000
Heptachlorobiphenyls	3730		ug/kg	168	--	1000
Octachlorobiphenyls	1620		ug/kg	168	--	1000
Nonachlorobiphenyls	ND		ug/kg	168	--	1000
Decachlorobiphenyl	ND		ug/kg	168	--	1000
Total Homologs	602000		ug/kg	168	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
CI3-BZ#19-C13	0	Q	50-125
CI8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-04
Client ID: S-11N-C007-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 15:00
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 12:16
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	98.5		ug/kg	16.9	--	100
Dichlorobiphenyls	6100		ug/kg	16.9	--	100
Trichlorobiphenyls	23400		ug/kg	16.9	--	100
Tetrachlorobiphenyls	29500		ug/kg	16.9	--	100
Pentachlorobiphenyls	13800		ug/kg	16.9	--	100
Hexachlorobiphenyls	5010		ug/kg	16.9	--	100
Heptachlorobiphenyls	625		ug/kg	16.9	--	100
Octachlorobiphenyls	229		ug/kg	16.9	--	100
Nonachlorobiphenyls	215		ug/kg	16.9	--	100
Decachlorobiphenyl	ND		ug/kg	16.9	--	100
Total Homologs	79000		ug/kg	16.9	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	94		50-125
Cl8-BZ#202-C13	97		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-05
Client ID: S-11N-C010-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 15:56
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 13:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	432		ug/kg	166	--	1000
Dichlorobiphenyls	50500		ug/kg	166	--	1000
Trichlorobiphenyls	183000		ug/kg	166	--	1000
Tetrachlorobiphenyls	235000		ug/kg	166	--	1000
Pentachlorobiphenyls	103000		ug/kg	166	--	1000
Hexachlorobiphenyls	37100		ug/kg	166	--	1000
Heptachlorobiphenyls	5040		ug/kg	166	--	1000
Octachlorobiphenyls	1840		ug/kg	166	--	1000
Nonachlorobiphenyls	1430		ug/kg	166	--	1000
Decachlorobiphenyl	ND		ug/kg	166	--	1000
Total Homologs	617000		ug/kg	166	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-06
Client ID: S-11N-C013-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 16:52
Analyst: JS
Percent Solids: 98%

Date Collected: 11/15/11 14:12
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	257		ug/kg	84.8	--	500
Dichlorobiphenyls	21900		ug/kg	84.8	--	500
Trichlorobiphenyls	78300		ug/kg	84.8	--	500
Tetrachlorobiphenyls	67500		ug/kg	84.8	--	500
Pentachlorobiphenyls	18400		ug/kg	84.8	--	500
Hexachlorobiphenyls	7420		ug/kg	84.8	--	500
Heptachlorobiphenyls	1360		ug/kg	84.8	--	500
Octachlorobiphenyls	391		ug/kg	84.8	--	500
Nonachlorobiphenyls	ND		ug/kg	84.8	--	500
Decachlorobiphenyl	ND		ug/kg	84.8	--	500
Total Homologs	196000		ug/kg	84.8	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	103		50-125
Cl8-BZ#202-C13	110		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-07
Client ID: S-11N-C014-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 17:48
Analyst: JS
Percent Solids: 97%

Date Collected: 11/15/11 14:27
Date Received: 11/17/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	97.2		ug/kg	16.9	--	100
Dichlorobiphenyls	8880		ug/kg	16.9	--	100
Trichlorobiphenyls	34600		ug/kg	16.9	--	100
Tetrachlorobiphenyls	36500		ug/kg	16.9	--	100
Pentachlorobiphenyls	16800		ug/kg	16.9	--	100
Hexachlorobiphenyls	5860		ug/kg	16.9	--	100
Heptachlorobiphenyls	731		ug/kg	16.9	--	100
Octachlorobiphenyls	229		ug/kg	16.9	--	100
Nonachlorobiphenyls	189		ug/kg	16.9	--	100
Decachlorobiphenyl	ND		ug/kg	16.9	--	100
Total Homologs	104000		ug/kg	16.9	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	92		50-125
Cl8-BZ#202-C13	99		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-08
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 18:45
Analyst: JS
Percent Solids: 97%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	17800		ug/kg	1670	--	10000
Dichlorobiphenyls	680000		ug/kg	1670	--	10000
Trichlorobiphenyls	1440000		ug/kg	1670	--	10000
Tetrachlorobiphenyls	1040000		ug/kg	1670	--	10000
Pentachlorobiphenyls	418000		ug/kg	1670	--	10000
Hexachlorobiphenyls	116000		ug/kg	1670	--	10000
Heptachlorobiphenyls	20000		ug/kg	1670	--	10000
Octachlorobiphenyls	1700		ug/kg	1670	--	10000
Nonachlorobiphenyls	ND		ug/kg	1670	--	10000
Decachlorobiphenyl	ND		ug/kg	1670	--	10000
Total Homologs	3730000		ug/kg	1670	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-09
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 00:19
Analyst: JS
Percent Solids: 97%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	2810		ug/kg	168	--	1000
Dichlorobiphenyls	167000		ug/kg	168	--	1000
Trichlorobiphenyls	432000		ug/kg	168	--	1000
Tetrachlorobiphenyls	369000		ug/kg	168	--	1000
Pentachlorobiphenyls	149000		ug/kg	168	--	1000
Hexachlorobiphenyls	44200		ug/kg	168	--	1000
Heptachlorobiphenyls	5490		ug/kg	168	--	1000
Octachlorobiphenyls	2000		ug/kg	168	--	1000
Nonachlorobiphenyls	271		ug/kg	168	--	1000
Decachlorobiphenyl	ND		ug/kg	168	--	1000
Total Homologs	1170000		ug/kg	168	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-11
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 01:15
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	292		ug/kg	16.6	--	100
Dichlorobiphenyls	13700		ug/kg	16.6	--	100
Trichlorobiphenyls	44300		ug/kg	16.6	--	100
Tetrachlorobiphenyls	41500		ug/kg	16.6	--	100
Pentachlorobiphenyls	16300		ug/kg	16.6	--	100
Hexachlorobiphenyls	6020		ug/kg	16.6	--	100
Heptachlorobiphenyls	834		ug/kg	16.6	--	100
Octachlorobiphenyls	286		ug/kg	16.6	--	100
Nonachlorobiphenyls	205		ug/kg	16.6	--	100
Decachlorobiphenyl	ND		ug/kg	16.6	--	100
Total Homologs	123000		ug/kg	16.6	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	91		50-125
Cl8-BZ#202-C13	88		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-12
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 11:07
Analyst: JS
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	146		ug/kg	16.8	--	100
Dichlorobiphenyls	8550		ug/kg	16.8	--	100
Trichlorobiphenyls	26600		ug/kg	16.8	--	100
Tetrachlorobiphenyls	26100		ug/kg	16.8	--	100
Pentachlorobiphenyls	9090		ug/kg	16.8	--	100
Hexachlorobiphenyls	3430		ug/kg	16.8	--	100
Heptachlorobiphenyls	480		ug/kg	16.8	--	100
Octachlorobiphenyls	173		ug/kg	16.8	--	100
Nonachlorobiphenyls	40.1		ug/kg	16.8	--	100
Decachlorobiphenyl	ND		ug/kg	16.8	--	100
Total Homologs	74600		ug/kg	16.8	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	87		50-125
Cl8-BZ#202-C13	88		50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-13
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 12:03
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	569		ug/kg	166	--	1000
Dichlorobiphenyls	44500		ug/kg	166	--	1000
Trichlorobiphenyls	163000		ug/kg	166	--	1000
Tetrachlorobiphenyls	202000		ug/kg	166	--	1000
Pentachlorobiphenyls	89400		ug/kg	166	--	1000
Hexachlorobiphenyls	30700		ug/kg	166	--	1000
Heptachlorobiphenyls	3720		ug/kg	166	--	1000
Octachlorobiphenyls	1840		ug/kg	166	--	1000
Nonachlorobiphenyls	225		ug/kg	166	--	1000
Decachlorobiphenyl	ND		ug/kg	166	--	1000
Total Homologs	536000		ug/kg	166	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-14
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 04:04
Analyst: JS
Percent Solids: 98%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	5310		ug/kg	337	--	2000
Dichlorobiphenyls	277000		ug/kg	337	--	2000
Trichlorobiphenyls	693000		ug/kg	337	--	2000
Tetrachlorobiphenyls	581000		ug/kg	337	--	2000
Pentachlorobiphenyls	262000		ug/kg	337	--	2000
Hexachlorobiphenyls	77000		ug/kg	337	--	2000
Heptachlorobiphenyls	10300		ug/kg	337	--	2000
Octachlorobiphenyls	4070		ug/kg	337	--	2000
Nonachlorobiphenyls	393		ug/kg	337	--	2000
Decachlorobiphenyl	ND		ug/kg	337	--	2000
Total Homologs	1910000		ug/kg	337	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-15
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/18/11 12:59
Analyst: JS
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	13900		ug/kg	336	--	2000
Dichlorobiphenyls	517000		ug/kg	336	--	2000
Trichlorobiphenyls	1040000		ug/kg	336	--	2000
Tetrachlorobiphenyls	664000		ug/kg	336	--	2000
Pentachlorobiphenyls	202000		ug/kg	336	--	2000
Hexachlorobiphenyls	54100		ug/kg	336	--	2000
Heptachlorobiphenyls	7940		ug/kg	336	--	2000
Octachlorobiphenyls	3220		ug/kg	336	--	2000
Nonachlorobiphenyls	ND		ug/kg	336	--	2000
Decachlorobiphenyl	ND		ug/kg	336	--	2000
Total Homologs	2500000		ug/kg	336	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-16
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/17/11 07:50
Analyst: JS
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/12/11 08:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Homologs by GC/MS-SIM - Mansfield Lab						
Monochlorobiphenyls	5340		ug/kg	332	--	2000
Dichlorobiphenyls	212000		ug/kg	332	--	2000
Trichlorobiphenyls	479000		ug/kg	332	--	2000
Tetrachlorobiphenyls	314000		ug/kg	332	--	2000
Pentachlorobiphenyls	87800		ug/kg	332	--	2000
Hexachlorobiphenyls	24800		ug/kg	332	--	2000
Heptachlorobiphenyls	3820		ug/kg	332	--	2000
Octachlorobiphenyls	2900		ug/kg	332	--	2000
Nonachlorobiphenyls	ND		ug/kg	332	--	2000
Decachlorobiphenyl	ND		ug/kg	332	--	2000
Total Homologs	1130000		ug/kg	332	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	50-125
Cl8-BZ#202-C13	0	Q	50-125

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 105,680/8270C-SIM(M)

Extraction Method: EPA 3540C

Analytical Date: 12/16/11 21:30

Extraction Date: 12/12/11 08:51

Analyst: JS

Cleanup Method1: EPA 3630

Cleanup Date1: 12/13/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Homologs by GC/MS-SIM - Mansfield Lab for sample(s): 01-09,11-16 Batch: WG507407-1					
Monochlorobiphenyls	ND		ug/kg	0.167	--
Dichlorobiphenyls	0.391		ug/kg	0.167	--
Trichlorobiphenyls	1.05		ug/kg	0.167	--
Tetrachlorobiphenyls	0.748		ug/kg	0.167	--
Pentachlorobiphenyls	ND		ug/kg	0.167	--
Hexachlorobiphenyls	ND		ug/kg	0.167	--
Heptachlorobiphenyls	ND		ug/kg	0.167	--
Octachlorobiphenyls	ND		ug/kg	0.167	--
Nonachlorobiphenyls	ND		ug/kg	0.167	--
Decachlorobiphenyl	ND		ug/kg	0.167	--
Total Homologs	2.19		ug/kg	0.167	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	96		50-125
Cl8-BZ#202-C13	103		50-125

Lab Control Sample Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
Cl1-BZ#1	101		101		40-140	0		30
CL1-BZ#3	105		106		40-140	1		30
Cl2-BZ#4/#10	113		115		40-140	2		30
Cl2-BZ#5/#8	98		100		40-140	2		30
Cl3-BZ#19	104		106		40-140	2		30
Cl3-BZ#18	92		96		40-140	4		30
Cl2-BZ#15	93		94		40-140	1		30
Cl4-BZ#54	103		104		40-140	1		30
Cl3-BZ#29	88		90		40-140	2		30
Cl4-BZ#50	105		109		40-140	4		30
Cl3-BZ#28/#31	96		99		40-140	3		30
Cl4-BZ#45	112		116		40-140	4		30
Cl4-BZ#52	97		102		40-140	5		30
Cl4-BZ#43/#49	106		110		40-140	4		30
Cl4-BZ#47/#48	98		102		40-140	4		30
Cl5-BZ#104	98		99		40-140	1		30
Cl4-BZ#44	97		100		40-140	3		30
Cl3-BZ#37	88		92		40-140	4		30
Cl4-BZ#74	101		107		40-140	6		30
Cl6-BZ#155	103		107		40-140	4		30
Cl4-BZ#70	99		104		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
Cl4-BZ#66	97		102		40-140	5		30
Cl5-BZ#95	94		98		40-140	4		30
Cl4-BZ#56/#60	94		98		40-140	4		30
Cl5-BZ#101/#84	111		116		40-140	4		30
Cl5-BZ#99	103		106		40-140	3		30
Cl6-BZ#154	94		99		40-140	5		30
Cl5-BZ#110	92		95		40-140	3		30
Cl4-BZ#81	101		107		40-140	6		30
Cl5-BZ#87	99		107		40-140	8		30
Cl6-BZ#151	93		99		40-140	6		30
Cl4-BZ#77	98		102		40-140	4		30
Cl5-BZ#123	100		105		40-140	5		30
Cl6-BZ#149	101		106		40-140	5		30
Cl7-BZ#188	88		92		40-140	4		30
Cl5-BZ#118	98		104		40-140	6		30
Cl6-BZ#146	88		94		40-140	7		30
Cl5-BZ#114	96		105		40-140	9		30
Cl6-BZ#153	88		96		40-140	9		30
Cl6-BZ#138/#163	82		90		40-140	9		30
Cl6-BZ#158	96		103		40-140	7		30
Cl5-BZ#105	89		94		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3								
CI7-BZ#182/#187	93		99		40-140	6		30
CI7-BZ#183	96		103		40-140	7		30
CI6-BZ#167/#128	95		101		40-140	6		30
CI5-BZ#126	74		80		40-140	8		30
CI7-BZ#174	100		106		40-140	6		30
CI8-BZ#202	102		105		40-140	3		30
CI7-BZ#177	91		97		40-140	6		30
CI6-BZ#156	91		98		40-140	7		30
CI6-BZ#157	84		90		40-140	7		30
CI7-BZ#180	95		97		40-140	2		30
CI7-BZ#170/#190	76		81		40-140	6		30
CI8-BZ#201	88		94		40-140	7		30
CI6-BZ#169	90		96		40-140	6		30
CI9-BZ#208	94		99		40-140	5		30
CI7-BZ#189	93		100		40-140	7		30
CI8-BZ#195	90		95		40-140	5		30
CI8-BZ#194	91		97		40-140	6		30
CI8-BZ#205	97		102		40-140	5		30
CI9-BZ#206	88		92		40-140	4		30
CI10-BZ#209	88		91		40-140	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 Batch: WG507407-2 WG507407-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Cl3-BZ#19-C13	86		91		50-125
Cl8-BZ#202-C13	93		96		50-125

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
Client ID: S-11N-C006-0-0.5

Cl1-BZ#1	187	330	437	76		418	75		40-140	4		30
CL1-BZ#3	ND	330	340	103		323	105		40-140	5		30
Cl2-BZ#4/#10	6040	330	6400	109		6360	104		40-140	1		30
Cl2-BZ#5/#8	13800	330	14300	152	Q	14100	98		40-140	1		30
Cl3-BZ#19	4040	330	4420	115		4220	59		40-140	5		30
Cl3-BZ#18	29600	330	30300	212	Q	29200	0	Q	40-140	4		30
Cl2-BZ#15	3780	330	4080	91		4020	78		40-140	1		30
Cl4-BZ#54	231	330	527	90		443	69		40-140	17		30
Cl3-BZ#29	ND	330	405	123		363	118		40-140	11		30
Cl4-BZ#50	ND	330	448	136		436	142	Q	40-140	3		30
Cl3-BZ#28/#31	50400	659	52100	258	Q	50500	16	Q	40-140	3		30
Cl4-BZ#45	1280	330	1590	94		1510	75		40-140	5		30
Cl4-BZ#52	67100	330	67400	91		63400	0	Q	40-140	6		30
Cl4-BZ#43/#49	57400	330	57500	30	Q	54000	0	Q	40-140	6		30
Cl4-BZ#47/#48	15200	330	15400	61		14500	0	Q	40-140	6		30
Cl5-BZ#104	ND	330	317	96		256	84		40-140	21		30
Cl4-BZ#44	13400	330	13900	152	Q	13100	0	Q	40-140	6		30
Cl3-BZ#37	495	330	761	81		686	62		40-140	10		30
Cl4-BZ#74	1430	330	1710	85		1630	65		40-140	5		30
Cl6-BZ#155	ND	330	322	98		271	88		40-140	17		30
Cl4-BZ#70	922	330	1200	84		1120	65		40-140	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03 Client ID: S-11N-C006-0-0.5												
Cl4-BZ#66	1960	330	2310	106		2170	69		40-140	6		30
Cl5-BZ#95	13500	330	13600	30	Q	12700	0	Q	40-140	7		30
Cl4-BZ#56/#60	406	330	710	92		635	75		40-140	11		30
Cl5-BZ#101/#84	11900	330	12400	152	Q	11500	0	Q	40-140	8		30
Cl5-BZ#99	10700	330	11100	121		10200	0	Q	40-140	8		30
Cl6-BZ#154	1240	330	1400	49		1350	36	Q	40-140	4		30
Cl5-BZ#110	9830	330	9980	46		9300	0	Q	40-140	7		30
Cl4-BZ#81	ND	330	292	89		279	91		40-140	5		30
Cl5-BZ#87	ND	330	1190	361	Q	983	320	Q	40-140	19		30
Cl6-BZ#151	1590	330	1850	79		1700	36	Q	40-140	8		30
Cl4-BZ#77	ND	330	ND	0	Q	ND	0	Q	40-140	NC		30
Cl5-BZ#123	696	330	1010	95		931	77		40-140	8		30
Cl6-BZ#149	12100	330	12200	30	Q	11300	0	Q	40-140	8		30
Cl7-BZ#188	ND	330	288	87		255	83		40-140	12		30
Cl5-BZ#118	3500	330	3820	97		3480	0	Q	40-140	9		30
Cl6-BZ#146	1260	330	1500	73		1340	26	Q	40-140	11		30
Cl5-BZ#114	ND	330	318	97		261	85		40-140	20		30
Cl6-BZ#153	8090	330	8010	0	Q	7440	0	Q	40-140	7		30
Cl6-BZ#138/#163	4010	330	4110	30	Q	3860	0	Q	40-140	6		30
Cl6-BZ#158	270	330	538	81		470	65		40-140	13		30
Cl5-BZ#105	ND	330	412	125		364	119		40-140	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
Client ID: S-11N-C006-0-0.5

CI7-BZ#182/#187	1560	330	1820	79		1660	33	Q	40-140	9		30
CI7-BZ#183	287	330	555	81		524	77		40-140	6		30
CI6-BZ#167/#128	616	659	1240	95		1040	69		40-140	18		30
CI5-BZ#126	ND	330	369	112		528	172	Q	40-140	35	Q	30
CI7-BZ#174	ND	330	510	155	Q	395	129		40-140	25		30
CI8-BZ#202	ND	330	361	110		325	106		40-140	10		30
CI7-BZ#177	ND	330	402	122		354	115		40-140	13		30
CI6-BZ#156	188	330	409	67		389	66		40-140	5		30
CI6-BZ#157	ND	330	276	84		264	86		40-140	4		30
CI7-BZ#180	630	330	889	79		793	53		40-140	11		30
CI7-BZ#170/#190	400	330	615	65		559	52		40-140	10		30
CI8-BZ#201	ND	330	420	127		361	118		40-140	15		30
CI6-BZ#169	ND	330	306	93		226	74		40-140	30		30
CI9-BZ#208	ND	330	428	130		379	124		40-140	12		30
CI7-BZ#189	ND	330	340	103		305	99		40-140	11		30
CI8-BZ#195	ND	330	336	102		301	98		40-140	11		30
CI8-BZ#194	229	330	538	94		485	84		40-140	10		30
CI8-BZ#205	ND	330	340	103		267	87		40-140	24		30
CI9-BZ#206	185	330	504	97		354	55		40-140	35	Q	30
CI10-BZ#209	ND	330	415	126		324	106		40-140	25		30

Matrix Spike Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Homologs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507407-4 WG507407-5 QC Sample: L1119294-03
Client ID: S-11N-C006-0-0.5

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Cl3-BZ#19-C13	0	Q	0	Q	50-125
Cl8-BZ#202-C13	0	Q	0	Q	50-125

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-01

Date Collected: 11/15/11 10:56

Client ID: S-11N-C002-0-0.5

Date Received: 11/17/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	44.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-02

Client ID: S-11N-C003-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 11:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	48.5		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-03

Client ID: S-11N-C006-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 12:05

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	39.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-04

Client ID: S-11N-C007-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 12:16

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.3		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	49.8		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Lab Number: L1119294

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-05
 Client ID: S-11N-C010-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/15/11 13:12
 Date Received: 11/17/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.3		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	32.6		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-06

Client ID: S-11N-C013-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 14:12

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.9		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-07

Client ID: S-11N-C014-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/15/11 14:27

Date Received: 11/17/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	41.7		%	0.100	NA	1	-	11/18/11 15:10	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-08

Client ID: S-11N-C015-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/17/11 15:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.8		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-09

Client ID: S-11N-C016-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/17/11 13:56

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.1		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	29.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-11
 Client ID: S-11N-C020-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/17/11 10:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	36.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119294**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119294-12
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.6		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	46.1		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-13

Client ID: S-11N-C023-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Soil

Date Collected: 11/17/11 11:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-14
 Client ID: S-11N-C030-0-0.5
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/17/11 13:35
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119294**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119294-15**Client ID:** S-11N-C036-0.2-0.7**Sample Location:** NEW BEDFORD, MA**Matrix:** Soil**Date Collected:** 11/22/11 09:19**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119294-16
 Client ID: S-11N-C036-0.2-0.7-REP
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 11/22/11 09:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/13/11 12:15	30,2540G	KB
Solids, Total (Pre-Dried)	37.4		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	NR



Lab Duplicate Analysis
Batch Quality Control**Project Name:** NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119294**Report Date:** 12/20/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-09,11-16 QC Batch ID: WG507779-1 QC Sample: L1119294-16 Client ID: S-11N-C036-0.2-0.7-REP						
Solids, Total	98.1	98.4	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119294

Report Date: 12/20/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A	Absent
B1	Absent
A1	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119294-01A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-02A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-03A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-03B	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-04A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-05A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-06A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-07A	Glass 250ml unpreserved	A	N/A	5.5	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-08A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-09A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-10A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	-
L1119294-11A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-12A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-13A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-14A	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-14B	Glass 250ml unpreserved	A1	N/A	-3.2	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-15A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)
L1119294-16A	Glass 250ml unpreserved	B1	N/A	-3.8	Y	Absent	A2-PCBHOMS-8270SIM(14)

Container Comments

L1119294-03A	KEPT IN THE BOX
L1119294-03B	KEPT IN THE BOX
L1119294-08A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1119294-09A

L1119294-10A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-11A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-12A

L1119294-13A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-14A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11, KEPT WITH THE BOX

L1119294-14B SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11, KEPT WITH THE BOX

L1119294-15A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119294-16A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1**Lab Number:** L1119294**Project Number:** TO-0010-04**Report Date:** 12/20/11**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119294
Report Date: 12/20/11

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 105 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997 in conjunction with Determination of Pesticides and PCBs in Water and Oil/Sediment by GC/MS: Method 680. EPA 01A0005295, November 1985.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEWBEDFORD 001

Project Location: NEWBEDFORD, MA

Project #: TO-0010-04

Project Manager: DAVE WALSH

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab:

ALPHA Job #: L1119294

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

Client Information

Client: WOODS HOLE GROUP, INC

Address: 81 TECHNOLOGY PARK DR
E. FALMOUTH, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project specific EDD & DATA REPORT

PLEASE NOTE • PLEASE HOMOGENIZE SAMPLE BEFORE
MS/MSD (at unit cost) will be omitted unless you check here: ☐ ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (Nona 18) PCB Handlogs										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time													Filtration		
	S-11N-C001-0-0.5	11/15/11	10:32	SED	DEW	X											NL43	1
19294-01	S-11N-C002-0-0.5		10:56			X	X										NE39	1
	S-11N-C002-0.5-1.0		10:56			X											NE39	1
-02	S-11N-C003-0-0.5		11:16			X	X										NC28	1
	S-11N-C004-0-0.5		11:38			X											NG31	1
	S-11N-C005-0-0.5		11:51			X											NK32	1
03	S-11N-C006-0-0.5		12:05			X	X										NM34	1
03	S-11N-C006-0-0.5 MSMSD		12:05			X	X										NM34, MSMSD	1
04	S-11N-C007-0-0.5		12:16			X	X										NH35	1
	S-11N-C008-0-0.5		12:34			X											NE33	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: NEW BEDFORD OULProject Location: NEW BEDFORD, MAProject #: TO-0010-04Project Manager: DAVE WIALSH

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Date Rec'd in Lab:

ALPHA Job #: L111,9294

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Client Information

Client: WOODS HOLE GROUP, INC.Address: 81 TECHNOLOGY PARK DR.
E. PALMATH, MA 02536Phone: 508-540-8080Fax: 508-540-1001Email: DWIALSH@WHGRP.COM
☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD & Data Report

PLEASE NOTE • Please Homogenize sample before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB Cong (WHA 18) PCB Homologs										SAMPLE HANDLING		TOTAL # BOTTLES
		Date	Time													Filtration		
	S-11N-C009-0-0.5	11/15/11	12:55	SED	DRW	X											NC4	1
19294-05	S-11N-C010-0-0.5		13:12			X	X										NC32	1
	S-11N-C010-0.5-1.0		13:12			X											NC32	1
	S-11N-C011-0-0.5		13:35			X											GL21	1
	S-11N-C012-0-0.5		13:52			X											GL26	1
06	S-11N-C013-0-0.5		14:12			X	X										GL28 GJ28	1
	S-11N-C013-0.5-1.0		14:12			X											GJ28	1
07	S-11N-C014-0-0.5		14:27			X	X										GH24	1
	S-11N-C014-0.5-1.0		14:27			X											GH24	1

Container Type A A
Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

[Signature]
11/17/11 0840
P. Gilbert

11/17/11 0840
P. Gilbert

[Signature]
11/17/11 18:10
C. Sullivan

11/17/11 1120
11/17/11 18:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE

OF

1 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

Project Information

Project Name: New Bedford OV 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EPP + Data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #:

K119294

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

SAMPLE HANDLING

Filtration

☐ Done
☐ Not needed
☐ Lab to do
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials						
		Date	Time								
8	S-11N-CO15-0-0.5	11/17/11	15:06	SED	DRW	X	X				
	S-11N-CO15-0.5-1.0	I	I	I	I	X					
	S-11N-CO15-1.0-1.5	I	I	I	I	X					
- 9	S-11N-CO16-0-0.5	11/17/11	13:56	SED	DRW	X	X				
- 10	S-11N-CO16-0.5-1.0	I	I	I	I	X	X				
	S-11N-CO16-1.0-2.0	I	I	I	I	X					
	S-11N-CO16-2.0-3.0	I	I	I	I	X					
	S-11N-CO17-0-0.5	11/17/11	14:22	SED	DRW	X					
	S-11N-CO17-0-0.5-REP	I	I	I	I	X					
	S-11N-CO18-0-0.5	11/17/11	09:33	SED	DRW	X					

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
11/23/11 1100
11/23/11 1503

11/23/11 1100
11/23/11 1503

Y. H. H.
11/23/11 1503

11/23/11 1100
11/23/11 1503

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ALPHA
ANALYTICAL
WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD CHAIN OF CUSTODYPAGE 2 OF 4

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
E. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: New Bedford CV 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD + data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

ALPHA Job #: L1119294**Billing Information**

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
Preservation
☐ Lab to do
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Ling (NUSA 15) PCB Homologs		SAMPLE HANDLING		TOTAL # BOTTLES
	S-11N-C019-0-0.5	11/17/11	09:58	SED	DRW	X	X	GF-19		
11	S-11N-C020-0-0.5	11/17/11	10:19	SED	DRW	X	X	GD 22		1
	S-11N-C021-0-0.5	11/17/11	10:35	SED	DRW	X		GE 24		1
	S-11N-C021-0.5-1.0	11/17/11	10:35	SED	DRW	X		GE 24 - Archive		1
12	S-11N-C022-0-0.5	11/17/11	10:48	SED	DRW	X	X	GD 28		1
13	S-11N-C023-0-0.5	11/17/11	11:06	SED	DRW	X	X	KP 4		1
	S-11N-C023-0.5-1.0	11/17/11	11:06	SED	DRW	X		KP 4 - Archive		1
	S-11N-C024-0-0.5	11/17/11	11:57	SED	DRW	X		KU 3		1
	S-11N-C025-0-0.5	11/17/11	12:07	SED	DRW	X		KU 4		1
	S-11N-C025-0.5-1.0	11/17/11	12:07	SED	DRW	X		KU 4 - Archive		1

Container Type A A

Preservative A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
YCY

11/23/11 1100
11/23/11 1503

YCY
[Signature]

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 3 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: *New Bedford OU 1*Project Location: *New Bedford, MA*Project #: *TO-0010-04*Project Manager: *Dave Walsh*

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Client Information

Client: *Woods Hole Group Inc*Address: *81 Technology Park
E. Ralmouth, MA 02536*Phone: *508-540-1001* ←Fax: *508-540-8080* ←Email: *DWALSH@WHGRP.com*☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

1 Project specific EDD + data report

PLEASE NOTE • Please Homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #:

L1119294

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEX☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

SAMPLE HANDLING

Filtration _____

☐ Done☐ Not needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																
		Date	Time																		
	S-11N-C026-0-0.5	11/17/11	12:23	SED	DRW	X															
	S-11N-C027-0-0.5	11/17/11	12:43	SED	DRW	X															
	S-11N-C028-0-0.5	11/17/11	13:00	SED	DRW	X															
	S-11N-C029-0-0.5	11/17/11	13:20	SED	DRW	X															
14	S-11N-C030-0-0.5	11/17/11	13:35	SED	DRW	X	X														
15	S-11N-C030-0-0.5MS/MSD	11/17/11	13:35	SED	DRW	X	X														
	S-11N-C030-0.5-1.0	11/17/11	13:35	SED	DRW	X															
	S-11N-C031-0-0.5	11/17/11	14:10	SED	DRW	X															
	S-11N-C031-0.5-1.0	11/17/11	14:10	SED	DRW	X															
	S-11N-C032-0-0.5	11/17/11	14:41	SED	DRW	X															

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
Y. G. V.

11/27/11 1100
11/27/11 1503

Y. G. V.
11/23/11 1503

11/23/11 1503

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WESTBORO, MA
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FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

MANSFIELD CHAIN OF CUSTODY

PAGE 4 OF 4

Serial No: 12201109:31

Date Rec'd in Lab:

ALPHA Job #: L1119294

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park Dr
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.com

Project Information

Project Name: New Bedford OVI
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State Fed Program Criteria

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD and data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments	TOTAL # BOTTLES
		Date	Time														
	S-11N-C033-0-0.5	11/17/11	14:54	SED	DRW	X										KM17	1
	S-11N-C034-0-0.5	11/17/11	15:17	SED	DRW	X										KU20	1
	S-11N-C034-0.5-1.0	11/17/11	15:17	SED	DRW	X										KU20-Archive	1
	S-11N-C035-0-0.5	11/22/11	08:54	SED	DRW	X										KL20	1
	S-11N-C035-0.8-1.3	11/22/11	08:59	SED	DRW	X										KL20-Archive	1
	S-11N-C035-1.3-1.8	11/22/11	08:59	SED	DRW	X										KL20-Archive	1
-15/16	S-11N-C036-0.2-0.7	11/22/11	09:19	SED	DRW	X	X									KM23	1
-16/17	S-11N-C036-0.2-0.7-REP	11/22/11	09:19	SED	DRW	X	X									KM23-REP	1
	S-11N-C037-0-0.5	11/22/11	09:43	SED	DRW	X										KQ23	1
	S-11N-C037-1.0-1.5	11/22/11	09:43	SED	DRW	X										KQ23-Archive	1

Container Type

Preservative

A

A

A

A

Relinquished By:

Date/Time

Received By:

Date/Time

Dick Smith
HCH

11/23/11 1100
11/23/11 1503

Y. Chen
[Signature]

11/23/11 1100
11/23/11 1503

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Data Validation Report

EPA Region I Tier I+ PCB Homologues by 8270C

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119294

Date(s) of Collection: September 15, 2010 to November 3, 2010

**Number / Type
Samples & Analyses** 15 sediment samples for PCB Homologues by EPA SW-846 Method
8270C

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Homologues was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0*, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C002-0-0.5	L1119294-01	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C003-0-0.5	L1119294-02	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C006-0-0.5	L1119294-03	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample [used for MS/MSD]
S-11N-C007-0-0.5	L1119294-04	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C010-0-0.5	L1119294-05	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C013-0-0.5	L1119294-06	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C014-0-0.5	L1119294-07	11/15/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C015-0-0.5	L1119294-08	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C016-0-0.5	L1119294-09	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C020-0-0.5	L1119294-11	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C022-0-0.5	L1119294-12	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C023-0-0.5	L1119294-13	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - continued

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C030-0-0.5	L1119294-14	11/17/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C036-0.2-0.7	L1119294-15	11/22/11	Air-dried Sediment	PCB Homologues	Field Sample
S-11N-C036-0.2-0.7-REP	L1119294-16	11/22/11	Air-dried Sediment	PCB Homologues	Field Duplicate of S-11N-C036-0.2-0.7

Analytical method references:

209 Congeners & Homologues: *Determination of PCB Homologs, Individual Congeners, and Pesticides by Gas Chromatography/Mass Spectrometry in the Select Ion Monitoring (SIM) Mode (EPA 680 & 8270C)*, Alpha SOP O-015, Rev. 2, June 19, 2006.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of PCB Homologue sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*
- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of PCB Homologues, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 15th and 17th 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener and Homologue analyses. The 15 samples in this SDG were previously analyzed for 18 NOAA PCB Congeners (see SDGs L1119291 and L1119752 for sample receipt and analysis details). These sediment samples were chosen by WHG for PCB Homologue analysis to compare Total PCBs for each sample derived using 18 NOAA Congeners to Total PCBs calculated using the sum of the PCB Homologues. The samples were previously air-dried to achieve percent solids of greater than 96% (since the “as received” percent solids were less than 50%). These air-dried samples were frozen until extraction of the samples for Homologues on December 12, 2011. As a consequence of the freezing of the aliquots by WHG, these samples were considered to have been extracted and analyzed within holding time.

Accuracy

The Method Blank reported detected results for several Homologues; however, the levels reported were below the concentration of these Homologues in the post dredge samples; therefore, blank action to negate results was not required. There was no Equipment Blank required to be collected these sediment samples.

Surrogate recoveries in these post dredge core samples were acceptable except for eight samples that required analytical dilutions to be able to report the Homologues within the instrument calibration range. For these eight samples, 0% recovery of the surrogates was reported because the level of the surrogate spike was too low to be able to be detected in the dilution analyses (dilutions were all > 1000). No action was taken other than to note that these eight samples do not have surrogate recovery information applicable to the Homologue concentrations measured.

Sixty-four representative Congeners were spiked into the LCS/LCSD and MS/MSD, which is consistent with the analysis of PCB Homologues. All spiked Congeners were recovered within criteria in the LCS/LCSD indicating acceptable accuracy for PCB Homologue analysis. MS/MSD analysis was conducted on sample S-11N-C006-0-0.5. The spike level for many Congeners was not applicable compared to the level of the Congener in the unspiked sample (i.e., the sample concentration was greater than four times the MS spike level). Recoveries were considered acceptable for those Congeners spiked at an appropriate level indicating acceptable accuracy for PCB Homologue analysis in the site matrix.

Precision

LCS/LCSD and MS/MSD precision results were acceptable for all 64 spiked Congeners indicating acceptable precision in the laboratory analysis and the site matrix for these samples.

The Field Duplicate pair reported in this SDG was S-11N-C036-0.2-0.7 and S-11N-C036-0.2-0.7-REP. FD precision was unacceptable for seven of the ten PCB Homologues. Total Monochlorobiphenyls (MonoCB), Total Dichlorobiphenyls (DiCB), Total Trichlorobiphenyls (TriCB), Total Tetrachlorobiphenyls (TetraCB), Total Pentachlorobiphenyls (PentaCB), Total Hexachlorobiphenyls (HexaCB), and Total Heptachlorobiphenyls (HeptaCB) were estimated (J) with indeterminate bias in this FD pair due to the observed imprecision, as shown in Table 2. These results are an indication of variable precision and possible sample heterogeneity, which may have affected the results reported for the PCB Homologues in the post dredge core samples.

Sensitivity & Reporting

All samples were analyzed at a dilution (dilution factor = 10 to 1000); therefore, the RLs were increased as a consequence of the dilutions made. However, the sum of all detected Homologue results in these samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	Total MonoCB Total DiCB Total TriCB Total TetraCB Total PentaCB Total HexaCB Total HeptaCB	DJ	I	FD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

*Abbreviations used in Table 2:
FD = Field Duplicate*

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119294

Lab: Alpha Analytical

Date Sampled: 11/15/11, 11/17/11, & 11/22/11

Analysis: PCB Homologues by GC/MS-SIM

PCB Homologues Tier I+ Data Validation Checklist

No. Samples

15

Matrix:

Sediments

Data Element	Preservation	Surrogates	LCS/LCSD	MS/MSD	FD /MD	MB	RL	Issues with	Other
Acceptable	& HT	%R 50-130%	%R 40-140% RPD ≤ 30%	%R 40-140% RPD ≤ 30%	RPD ≤ 30% SW RPD ≤ 50% SED	< RL or < 5x Conc. in sample	meets QAPP req. for matrix?	Qualifiers?	
Yes	✓	✓	✓	✓		✓	✓	✓	-
No					Estimate (J) 7 results in FD pair			All data qualified "D" by the lab since samples analyzed DF > 1	

Did the Laboratory Narrative contain any issues which may affect data quality? Yes; however, all issues were reported in the summary data.

Were the %solids acceptable (>30%)? Yes all > 96% solids after air-drying. Prior to air-drying, % solids were 32-49%.

The data package consisted of a laboratory narrative, data sheets for samples, Method Blanks (MB), laboratory control samples (LCS), Matrix Spike/Matrix Spike Duplicates (MS/MSD), and the executed chain-of-custody. Summary information for initial and continuing calibrations were not present nor were raw data for samples and quality control (QC) reported. This Tier I+ review assumed that initial calibrations and qualitative and quantitative determination of the 18 NOAA target Congeners were acceptable unless an issue was raised in the laboratory narrative. This review also assumed that the highest value for the two GC columns used was reported for the sample result, as required by the QAPP, unless noted by the laboratory.

Comments:

The sediment samples reported herein were analyzed for 18 NOAA Congeners (see reported for SDGs L1119291 & L1119752) and USACE requested that the sediments be reanalyzed using GC/MS-SIM to report PCB Homologues as a test to compare Total PCBs derived from 18 NOAA Congener analysis with Total PCBs as the sum of the PCB Homologues. These sediment samples were collected at various times in the November of 2011, were air-dried to increase solids content, and then frozen awaiting analysis. One sample was placed in "Archive" at the lab as indicated on the COC.

Samples were all received intact frozen and when samples were received, %solids were performed and based on the results of these analyses, all of the samples were air-dried for use in PCB Congener determination (based on a knowledge of how these samples were processed for 18 NOAA Congener analysis). Percent solids determination was also performed on each sample when it was removed from the freezer prior to this PCB Homologue extraction (i.e., % solids from the initial analyses were not used in reporting of results for these analyses).

HT: Air-dried samples were frozen until the day before extraction. Samples were all extracted on 12/12/11. All extracts were analyzed by 12/18/11, within 40 days of extraction - since freezing arrested holding time, holding time considered acceptable for these analyses - No Action required.

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119294

Lab: Alpha Analytical

PCB Homologues Tier I+ Data Validation Checklist

Blank Action: Blanks Reviewed: Method Blank (WG507407-1)

No EB associated with samples

Blank ID	Contaminant / Level	Matrix Related?	Action Level / Action	Sample and Reported Result	Corrected Result
WG507407-1	Dichlorobiphenyls 0.391 µg/Kg	Y	1.96 µg/Kg	All samples were >> BAL (accounting for sample DF)	
	Trichlorobiphenyls 1.05 µg/Kg	Y	5.25 µg/Kg	All samples were >> BAL (accounting for sample DF)	
	Tetrachlorobiphenyls 0.748 µg/Kg	Y	3.74 µg/Kg	All samples were >> BAL (accounting for sample DF)	
	Total Homologues 2.19 µg/Kg	Y	11 µg/Kg	All samples were >> BAL (accounting for sample DF)	

Surrogates: both surrogates (BZ19-C13 and BZ202-C13) were recovered within criteria in all samples and QC except for samples S-11N-C006-0-0.5, S-11N-C010-0-0.5, S-11N-C015-0-0.5, S-11N-C016-0-0.5, S-11N-C023-0-0.5, S-11N-C030-0-0.5, S-11N-C036-0.2-0.7, and S-11N-C036-0.2-0.7-REP since these samples were analyzed at DF ≥ 1000 and the surrogates were diluted out at this level (recoveries were reported for dilution analyses up to DF = 500). No Action required.

LCS/LCSD: WG507407-2/-3 %Rec for LCS and LCSD were all within 40-140% for 64 Congeners spiked (LCS&LCSD contained > 1 spike Congener for each of the homologue series - spike the same as was used for 209 Congeners reported for OU-3 evaluation). RPDs between LCS&LCSD were all acceptable - acceptable accuracy and precision for method of analysis demonstrated - No Action required.

MS/MSD: performed on S-11N-C006-0-0.5, as requested on the COC. COC also requested MS/MSD for Homologues to be done on S-11N-C030-0-0.5; however, since the analytical batch was < 20 samples, only 1 MS/MSD required. The same 64 Congeners spiked as for LCS. Here, many MS/MSD recoveries were unacceptable (either too high or too low) because the level of the spike was too low compared to the level of the Congener in the unspiked sample. For those spikes that were at acceptable levels (spike level was < 4 x level in sample), all recoveries were within criteria or slightly high (sample non-detect but MS and/or MSD high). Evaluation of RPD indicates all Congeners met precision criteria. Since homologues reported and since MS/MSD precision OK and there were no unexplained MS/MSD recoveries (e.g., no recovery with spike level being appropriate), no action taken for MS/MSD recoveries. Accuracy and precision for PCB Homologues considered acceptable for the matrix.

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119294

Lab: Alpha Analytical

PCB Homologues Tier I+ Data Validation Checklist

FDs : S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP. A comparison of detected results in this FD pair is shown below

Field Duplicate Evaluation_ Sample IDs:

Sample = S-11N-C036-0.2-0.7

FD = S-11N-C036-0.2-0.7-REP

Analyte Name	DF= 2000 RL (µg/Kg)	Sample µg/Kg	Sample Result Q Level	FD µg/Kg	FD Result Q Level	RPD	Action
Total MonoCB	336	13900	D > 2 x RL	5340	D > 2 x RL	89.0	J Both
Total DiCB	336	517000	D > 2 x RL	212000	D > 2 x RL	83.7	J Both
Total TriCB	336	1040000	D > 2 x RL	479000	D > 2 x RL	73.9	J Both
Total TetraCB	336	664000	D > 2 x RL	314000	D > 2 x RL	71.6	J Both
Total PentaCB	336	202000	D > 2 x RL	87800	D > 2 x RL	78.8	J Both
Total HexaCB	336	54100	D > 2 x RL	24800	D > 2 x RL	74.3	J Both
Total HeptaCB	336	7940	D > 2 x RL	3820	D > 2 x RL	70.1	J Both
Total OctaCB	336	3220	D > 2 x RL	2900	D > 2 x RL	10.5	None
Total NonaCB	336	336	DU RL	332	DU RL	NA	None
Total DecaCB, Concentration	336	336	DU RL	332	DU RL	NA	None

FD precision was unacceptable for 7 of the 10 PCB Homologues in the FD pair of S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP (note imprecision was also noted for several NOAA Congeners in this FD pair - see L1119752 report)

**ACTION: Total MonoCB, Total DiCB, Total TriCB, Total TetraCB, Total PentaCB, Total HexaCB, and Total HeptaCB estimated (J) with indeterminate bias in samples S-11N-C036-0.2-0.7 and S-11N-C036-0.2-0.7-REP due to FD imprecision*

All samples were analyzed at a single dilution ranging from DF=10 to DF=1000. For all samples the RLs were increased as a consequence of the dilutions made. However, the sum of all detected homologue results in these samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

Qualifiers : All data were reported with "D" qualifiers. As instructed by Battelle, these "D" qualifiers were not removed during the DV process. There were no "J" or "E" qualified data remaining after data acceptance of dilution analyses .

Narrative : there were no additional issues raised in the narrative not addressed in this checklist

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

Lab: Alpha Analytical

PCB Homologues Tier I+ Data Validation Checklist

ACTIONS:

Preservation: Cooled to $4 \pm 2^{\circ}\text{C}$. Sediments may be frozen for up to 1 year to preserve sample prior to extraction. If temperature outside criteria, use professional judgment.

HT: Extraction: waters -7d <HT< 14 d, J det/ J NDs; HT >14 d, J det/R ND

Extraction: sediment - 14d <HT< 28 d, J det/ J NDs; HT >28 d, J det/R ND (freezing arrests HT)

Analysis of extract: 40d < Extract HT < 60d, J det/ J NDs; Extract HT > 60d; J det/ R NDs

Surrogates: % Recovery > 150%, J det/Accept ND; $10\% \leq$ % Recovery < 30%, J det/J NDs; Recovery < 10%, J det/R NDs.

LCS/LCSD: %Rec<10%, J det/ R NDs; $10\% < \% \text{Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs. RPD > 30%, J det/UJ NDs.

MS/MSD: %Rec<10%, J det/ R NDs; $10\% < \% \text{Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs- Unspiked Sample only. RPD > 30%, J det/UJ NDs.

FD: RPD > 30% (waters) or 50% (sediment) for results > 2 x RL, J det/UJ NDs. Use professional judgment for values < 2 x RL.

MBs: If contamination in blank(s) exists, Blank Action Level (BAL)= 5 x Level in Blank (on a sample-equivalent basis). If a sample result is < RL and < BAL, negate (U) result at RL; if value > RL but < BAL, negate (U) result at level reported; if value > BAL, no Action.

RLs: Verify RLs are sample-specific and meet PQL given in QAPP Addendum 2009 UFP - Worksheet #15. If result > upper calibration range, J result; if result < lowest calibration standard, J result. Verify all J data reported properly, if applicable. Note any non-detects at values > PALs.

Other Data qualified J by lab stays as J; data qualified E by lab becomes J; data qualified U by lab stays U; data qualified P by lab becomes J; data qualified B becomes

Qualifiers: either U or J based on actions taken for Method Blank (MB)

% solids: $10\% < \% \text{ solids} < 30\%$, J det/R ND; % solids < 10%, R detects and NDs.

Qualifiers: U = analyte is non-detect at the sample-specific Reporting Limit (RL) (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value; R = result is rejected due to severe QC exceedance and unusable for project objectives. Bias: L = Low; H = High; I = Indeterminate.

Reference: Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011) and Region I, EPA-NE Pesticide/PCB Data Validation Functional Guidelines - Part III, Draft February 2004

SDMS REPOSITORY TARGET SHEET

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SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
(OU1) (02/01/2013 COVER PAGE ATTACHED)

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Site Remediation and Restoration Records and Information Center-
Telephone (617) 918 1440

L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C	db_val	12-Dec-11	8270C			16-Dec-11	1BZ 149
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 151
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 153
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 154
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 155
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 156
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 157
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 158
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 163
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 167
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 169
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 170
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 174
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 177
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 180
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 182
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 183
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 187
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 188
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 189
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 190
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 194
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 195
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 201
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 202
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 205
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 206
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 208
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 209
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 19
L1119294	AAL-WG507407-3	LCSD	TOTAL		12-Dec-11	3540C		12-Dec-11	8270C			16-Dec-11	1BZ 202
L1119294	S-11N-C002-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP			2540G			28-Nov-11	1
L1119294	S-11N-C002-0-0.5	SA	TOTAL		17-Nov-11	NO_PREP			Percent Sol			18-Nov-11	1
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270C			17-Dec-11	10
L1119294	S-11N-C002-0-0.5	SADL1	TOTAL		17-Nov-11	3540C		12-Dec-11	8270				

[illegible]

[illegible]

[illegible]

[illegible]

L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C	db val	12-Dec-11	8270C		18-Dec-11	100	
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	BZ 209
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	BZ 19
L1119294	S-11N-C022-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	100	BZ 202
L1119294	S-11N-C023-0-0.5	SA	TOTAL	23-Nov-11	NO_PREP			2540G		06-Dec-11	1	
L1119294	S-11N-C023-0-0.5	SA	TOTAL	23-Nov-11	NO_PREP			Percent Sol		30-Nov-11	1	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	BZ 209
L1119294	S-11N-C023-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	1000	BZ 202
L1119294	S-11N-C030-0-0.5	SA	TOTAL	23-Nov-11	NO_PREP			2540G		07-Dec-11	1	
L1119294	S-11N-C030-0-0.5	SA	TOTAL	23-Nov-11	NO_PREP			Percent Sol		30-Nov-11	1	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C030-0-0.5	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7	SA	TOTAL	23-Nov-11	NO_PREP			2540G		07-Dec-11	1	
L1119294	S-11N-C036-0.2-0.7	SA	TOTAL	23-Nov-11	NO_PREP			Percent Sol		30-Nov-11	1	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7	SADL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		18-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REP	TOTAL	23-Nov-11	NO_PREP			2540G		13-Dec-11	1	
L1119294	S-11N-C036-0.2-0.7-REP	REP	TOTAL	23-Nov-11	NO_PREP			Percent Sol		30-Nov-11	1	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 19
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 202
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11	8270C		17-Dec-11	2000	BZ 209
L1119294	S-11N-C036-0.2-0.7-REP	REPDL1	TOTAL	23-Nov-11	3540C		12-Dec-11					

PARAM_CODE	DESCRIPTION	RESULT	LAB_QUAL	VALID_QUAL	FINAL_QUAL	UNIT	DETECT_LIMIT	DETECT_LIM_CODE	EMPC
27323-18-8	Total MonoCB	0.167	U			UG/KG	0.167	RL	
25512-42-9	Total DiCB	0.391				UG/KG	0.167	RL	
25323-68-6	Total TriCB	1.05				UG/KG	0.167	RL	
26914-33-0	Total TetraCB	0.748				UG/KG	0.167	RL	
25429-29-2	Total PentaCB	0.167	U			UG/KG	0.167	RL	
26601-64-9	Total HexaCB	0.167	U			UG/KG	0.167	RL	
28655-71-2	Total HeptaCB	0.167	U			UG/KG	0.167	RL	
55722-26-4	Total OctaCB	0.167	U			UG/KG	0.167	RL	
53742-07-7	Total NonaCB	0.167	U			UG/KG	0.167	RL	
H-2051-24-3_CONC	Total DecaCB, Concentration	0.167	U			UG/KG	0.167	RL	
CS-234432-87-2	13c12-2,2',6-Trcb2	96				PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	103				PCT_REC		RL	
2051-60-7	2-Monochlorobiphenyl	101				PCT_REC	0.167	RL	
2051-62-9	4-Monochlorobiphenyl	105				PCT_REC	0.167	RL	
13029-08-8	2,2'-Dichlorobiphenyl		C10			PCT_REC	0.333	RL	
16605-91-7	2,3-Dichlorobiphenyl		C8			PCT_REC	0.333	RL	
34883-43-7	2,4'-Dichlorobiphenyl	98	C			PCT_REC	0.333	RL	
33146-45-1	2,6-Dichlorobiphenyl	113	C			PCT_REC	0.333	RL	
2050-68-2	4,4'-Dichlorobiphenyl	93				PCT_REC	0.167	RL	
37680-65-2	2,2',5-Trichlorobiphenyl	92				PCT_REC	0.167	RL	
38444-73-4	2,2',6-Trichlorobiphenyl	104				PCT_REC	0.167	RL	
7012-37-5	2,4,4'-Trichlorobiphenyl		C31			PCT_REC	0.333	RL	
15862-07-4	2,4,5-Trichlorobiphenyl	88				PCT_REC	0.167	RL	
16606-02-3	2,4',5-Trichlorobiphenyl	96	C			PCT_REC	0.333	RL	
38444-90-5	3,4,4'-Trichlorobiphenyl	88				PCT_REC	0.167	RL	
70362-46-8	2,2',3,5-Tetrachlorobiphenyl		C49			PCT_REC	0.333	RL	
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	97				PCT_REC	0.167	RL	
70362-45-7	2,2',3,6-Tetrachlorobiphenyl	112				PCT_REC	0.167	RL	
2437-79-8	2,2',4,4'-Tetrachlorobiphenyl		C48			PCT_REC	0.333	RL	
70362-47-9	2,2',4,5-Tetrachlorobiphenyl	98	C			PCT_REC	0.333	RL	
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	106	C			PCT_REC	0.333	RL	
62796-65-0	2,2',4,6-Tetrachlorobiphenyl	105				PCT_REC	0.167	RL	
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	97				PCT_REC	0.167	RL	
15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	103				PCT_REC	0.167	RL	
41464-43-1	2,3,3',4'-Tetrachlorobiphenyl		C60			PCT_REC	0.333	RL	
33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	94	C			PCT_REC	0.333	RL	
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	97				PCT_REC	0.167	RL	
32598-11-1	2,3',4',5-Tetrachlorobiphenyl	99				PCT_REC	0.167	RL	
32690-93-0	2,4,4',5-Tetrachlorobiphenyl	101				PCT_REC	0.167	RL	
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	98				PCT_REC	0.167	RL	
70362-50-4	3,4,4',5-Tetrachlorobiphenyl	101				PCT_REC	0.167	RL	
52663-60-2	2,2',3,3',6-Pentachlorobiphenyl		C101			PCT_REC	0.333	RL	
38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	99				PCT_REC	0.167	RL	
38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	94				PCT_REC	0.167	RL	
38380-01-7	2,2',4,4',5-Pentachlorobiphenyl	103				PCT_REC	0.167	RL	
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	111	C			PCT_REC	0.333	RL	
56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	98				PCT_REC	0.167	RL	
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	89				PCT_REC	0.167	RL	
38380-03-9	2,3,3',4',6-Pentachlorobiphenyl	92				PCT_REC	0.167	RL	
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	96				PCT_REC	0.167	RL	
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	98				PCT_REC	0.167	RL	
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	100				PCT_REC	0.167	RL	
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	74				PCT_REC	0.167	RL	
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		C167			PCT_REC	0.333	RL	
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		C163			PCT_REC	0.333	RL	
51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	88				PCT_REC	0.167	RL	
38380-04-0	2,2',3,4',5',6-Hexachlorobiphenyl	101				PCT_REC	0.167	RL	
52663-63-5	2,2',3,5,5',6-Hexachlorobiphenyl	93				PCT_REC	0.167	RL	
35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	88				PCT_REC	0.167	RL	
60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	94				PCT_REC	0.167	RL	
33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	103				PCT_REC	0.167	RL	
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl	91				PCT_REC	0.167	RL	
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	84				PCT_REC	0.167	RL	
74472-42-7	2,3,3',4,4',6-Hexachlorobiphenyl	96				PCT_REC	0.167	RL	
74472-44-9	2,3,3',4',5,6-Hexachlorobiphenyl	82	C			PCT_REC	0.333	RL	

52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	95	C	db_val	PCT_REC	0.333	RL	
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	90			PCT_REC	0.167	RL	
35065-30-6	2,2',3,3',4,4',5'-Heptachlorobiphenyl		C190		PCT_REC	0.333	RL	
38411-25-5	2,2',3,3',4,5,6'-Heptachlorobiphenyl	100			PCT_REC	0.167	RL	
52663-70-4	2,2',3,3',4',5,6'-Heptachlorobiphenyl	91			PCT_REC	0.167	RL	
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	95			PCT_REC	0.167	RL	
60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl		C187		PCT_REC	0.333	RL	
52663-69-1	2,2',3,4,4',5'-Heptachlorobiphenyl	96			PCT_REC	0.167	RL	
52663-68-0	2,2',3,4',5,5',6'-Heptachlorobiphenyl	93	C		PCT_REC	0.333	RL	
74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	88			PCT_REC	0.167	RL	
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl	93			PCT_REC	0.167	RL	
41411-64-7	2,3,3',4,4',5,6'-Heptachlorobiphenyl	76	C		PCT_REC	0.333	RL	
35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	91			PCT_REC	0.167	RL	
52663-78-2	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	90			PCT_REC	0.167	RL	
40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	88			PCT_REC	0.167	RL	
2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	102			PCT_REC	0.167	RL	
74472-53-0	2,3,3',4,4',5,5',6'-Octachlorobiphenyl	97			PCT_REC	0.167	RL	
40186-72-9	2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	88			PCT_REC	0.167	RL	
52663-77-1	2,2',3,3',4,5,5',6,6' - Nonachlorobiphenyl	94			PCT_REC	0.167	RL	
2051-24-3	DecaCB - Homologue	88			PCT_REC	0.167	RL	
CS-234432-87-2	13c12-2,2',6'-Trcb2	86			PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	93			PCT_REC		RL	
2051-60-7	2-Monochlorobiphenyl	101			PCT_REC	0.167	RL	
2051-62-9	4-Monochlorobiphenyl	106			PCT_REC	0.167	RL	
13029-08-8	2,2'-Dichlorobiphenyl		C10		PCT_REC	0.333	RL	
16605-91-7	2,3-Dichlorobiphenyl		C8		PCT_REC	0.333	RL	
34883-43-7	2,4'-Dichlorobiphenyl	100	C		PCT_REC	0.333	RL	
33146-45-1	2,6-Dichlorobiphenyl	115	C		PCT_REC	0.333	RL	
2050-68-2	4,4'-Dichlorobiphenyl	94			PCT_REC	0.167	RL	
37680-65-2	2,2',5-Trichlorobiphenyl	96			PCT_REC	0.167	RL	
38444-73-4	2,2',6-Trichlorobiphenyl	106			PCT_REC	0.167	RL	
7012-37-5	2,4,4'-Trichlorobiphenyl		C31		PCT_REC	0.333	RL	
15862-07-4	2,4,5-Trichlorobiphenyl	90			PCT_REC	0.167	RL	
16606-02-3	2,4',5-Trichlorobiphenyl	99	C		PCT_REC	0.333	RL	
38444-90-5	3,4,4'-Trichlorobiphenyl	92			PCT_REC	0.167	RL	
70362-46-8	2,2',3,5-Tetrachlorobiphenyl		C49		PCT_REC	0.333	RL	
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	100			PCT_REC	0.167	RL	
70362-45-7	2,2',3,6-Tetrachlorobiphenyl	116			PCT_REC	0.167	RL	
2437-79-8	2,2',4,4'-Tetrachlorobiphenyl		C48		PCT_REC	0.333	RL	
70362-47-9	2,2',4,5-Tetrachlorobiphenyl	102	C		PCT_REC	0.333	RL	
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	110	C		PCT_REC	0.333	RL	
62796-65-0	2,2',4,6-Tetrachlorobiphenyl	109			PCT_REC	0.167	RL	
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	102			PCT_REC	0.167	RL	
15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	104			PCT_REC	0.167	RL	
41464-43-1	2,3,3',4'-Tetrachlorobiphenyl		C60		PCT_REC	0.333	RL	
33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	98	C		PCT_REC	0.333	RL	
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	102			PCT_REC	0.167	RL	
32598-11-1	2,3',4',5-Tetrachlorobiphenyl	104			PCT_REC	0.167	RL	
32690-93-0	2,4,4',5-Tetrachlorobiphenyl	107			PCT_REC	0.167	RL	
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	102			PCT_REC	0.167	RL	
70362-50-4	3,4,4',5-Tetrachlorobiphenyl	107			PCT_REC	0.167	RL	
52663-60-2	2,2',3,3',6-Pentachlorobiphenyl		C101		PCT_REC	0.333	RL	
38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	107			PCT_REC	0.167	RL	
38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	98			PCT_REC	0.167	RL	
38380-01-7	2,2',4,4',5-Pentachlorobiphenyl	106			PCT_REC	0.167	RL	
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	116	C		PCT_REC	0.333	RL	
56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	99			PCT_REC	0.167	RL	
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	94			PCT_REC	0.167	RL	
38380-03-9	2,3,3',4',6-Pentachlorobiphenyl	95			PCT_REC	0.167	RL	
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	105			PCT_REC	0.167	RL	
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	104			PCT_REC	0.167	RL	
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	105			PCT_REC	0.167	RL	
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	80			PCT_REC	0.167	RL	
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		C167		PCT_REC	0.333	RL	
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		C163		PCT_REC	0.333	RL	
51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	94		Page 12	PCT_REC	0.167	RL	

38380-04-0	2,2',3,4',5',6'-Hexachlorobiphenyl	106		db val	PCT_REC	0.167	RL
52663-63-5	2,2',3,5',5',6'-Hexachlorobiphenyl	99			PCT_REC	0.167	RL
35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	96			PCT_REC	0.167	RL
60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	99			PCT_REC	0.167	RL
33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	107			PCT_REC	0.167	RL
38380-08-4	2,3,3',4,4',5'-Hexachlorobiphenyl	98			PCT_REC	0.167	RL
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	90			PCT_REC	0.167	RL
74472-42-7	2,3,3',4,4',6'-Hexachlorobiphenyl	103			PCT_REC	0.167	RL
74472-44-9	2,3,3',4',5,6'-Hexachlorobiphenyl	90	C		PCT_REC	0.333	RL
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	101	C		PCT_REC	0.333	RL
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	96			PCT_REC	0.167	RL
35065-30-6	2,2',3,3',4,4',5'-Heptachlorobiphenyl		C190		PCT_REC	0.333	RL
38411-25-5	2,2',3,3',4,5,6'-Heptachlorobiphenyl	106			PCT_REC	0.167	RL
52663-70-4	2,2',3,3',4',5,6'-Heptachlorobiphenyl	97			PCT_REC	0.167	RL
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	97			PCT_REC	0.167	RL
60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl		C187		PCT_REC	0.333	RL
52663-69-1	2,2',3,4,4',5',6'-Heptachlorobiphenyl	103			PCT_REC	0.167	RL
52663-68-0	2,2',3,4',5,5',6'-Heptachlorobiphenyl	99	C		PCT_REC	0.333	RL
74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	92			PCT_REC	0.167	RL
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl	100			PCT_REC	0.167	RL
41411-64-7	2,3,3',4,4',5,6'-Heptachlorobiphenyl	81	C		PCT_REC	0.333	RL
35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	97			PCT_REC	0.167	RL
52663-78-2	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	95			PCT_REC	0.167	RL
40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	94			PCT_REC	0.167	RL
2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	105			PCT_REC	0.167	RL
74472-53-0	2,3,3',4,4',5,5',6'-Octachlorobiphenyl	102			PCT_REC	0.167	RL
40186-72-9	2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	92			PCT_REC	0.167	RL
52663-77-1	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	99			PCT_REC	0.167	RL
2051-24-3	DecaCB - Homologue	91			PCT_REC	0.167	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	91			PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	96			PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.8			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	44.9			PCT	0.1	RL
27323-18-8	Total MonoCB	1.69	DU		UG/KG	1.69	RL
25512-42-9	Total DiCB	200	D		UG/KG	1.69	RL
25323-68-6	Total TriCB	724	D		UG/KG	1.69	RL
26914-33-0	Total TetraCB	1130	D		UG/KG	1.69	RL
25429-29-2	Total PentaCB	615	D		UG/KG	1.69	RL
26601-64-9	Total HexaCB	241	D		UG/KG	1.69	RL
28655-71-2	Total HeptaCB	59.6	D		UG/KG	1.69	RL
55722-26-4	Total OctaCB	7.56	D		UG/KG	1.69	RL
53742-07-7	Total NonaCB	1.69	DU		UG/KG	1.69	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	1.69	DU		UG/KG	1.69	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	90	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	99	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	48.5			PCT	0.1	RL
27323-18-8	Total MonoCB	142	D		UG/KG	6.67	RL
25512-42-9	Total DiCB	1640	D		UG/KG	6.67	RL
25323-68-6	Total TriCB	5740	D		UG/KG	6.67	RL
26914-33-0	Total TetraCB	9400	D		UG/KG	6.67	RL
25429-29-2	Total PentaCB	4480	D		UG/KG	6.67	RL
26601-64-9	Total HexaCB	1750	D		UG/KG	6.67	RL
28655-71-2	Total HeptaCB	265	D		UG/KG	6.67	RL
55722-26-4	Total OctaCB	87.4	D		UG/KG	6.67	RL
53742-07-7	Total NonaCB	79.4	D		UG/KG	6.67	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	6.67	DU		UG/KG	6.67	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	72	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	76	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.1			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	39.6			PCT	0.1	RL
2051-60-7	2-Monochlorobiphenyl	187	D		UG/KG	168	RL
2051-62-9	4-Monochlorobiphenyl	168	DU		UG/KG	168	RL
13029-08-8	2,2'-Dichlorobiphenyl		C10		UG/KG	336	RL
16605-91-7	2,3-Dichlorobiphenyl		C8		UG/KG	336	RL
25569-80-6	2,3'-Dichlorobiphenyl	17900	D	Page 13	UG/KG	168	RL

33284-50-3	2,4-Dichlorobiphenyl	867	D	db_val	UG/KG	168	RL	
34883-43-7	2,4'-Dichlorobiphenyl	13800	CD		UG/KG	336	RL	
33146-45-1	2,6-Dichlorobiphenyl	6040	CD		UG/KG	336	RL	
2974-92-7	3,4-Dichlorobiphenyl		C13		UG/KG	336	RL	
2974-90-5	3,4'-Dichlorobiphenyl	5460	CD		UG/KG	336	RL	
2050-68-2	4,4'-Dichlorobiphenyl	3780	D		UG/KG	168	RL	
38444-78-9	2,2',3-Trichlorobiphenyl		C32		UG/KG	336	RL	
37680-66-3	2,2',4-Trichlorobiphenyl	12200	D		UG/KG	168	RL	
37680-65-2	2,2',5-Trichlorobiphenyl	29600	D		UG/KG	168	RL	
38444-73-4	2,2',6-Trichlorobiphenyl	4040	D		UG/KG	168	RL	
55702-46-0	2,3,4-Trichlorobiphenyl		C33		UG/KG	336	RL	
38444-85-8	2,3,4'-Trichlorobiphenyl	2480	D		UG/KG	168	RL	
55702-45-9	2,3,6-Trichlorobiphenyl		C27		UG/KG	336	RL	
55712-37-3	2,3',4-Trichlorobiphenyl	23600	D		UG/KG	168	RL	
38444-81-4	2,3',5-Trichlorobiphenyl	50100	D		UG/KG	168	RL	
38444-76-7	2,3',6-Trichlorobiphenyl	5470	CD		UG/KG	336	RL	
7012-37-5	2,4,4'-Trichlorobiphenyl		C31		UG/KG	336	RL	
15862-07-4	2,4,5-Trichlorobiphenyl	168	DU		UG/KG	168	RL	
16606-02-3	2,4',5-Trichlorobiphenyl	50400	CD		UG/KG	336	RL	
38444-77-8	2,4',6-Trichlorobiphenyl	18800	CD		UG/KG	336	RL	
38444-86-9	2',3,4-Trichlorobiphenyl	1390	CD		UG/KG	336	RL	
38444-90-5	3,4,4'-Trichlorobiphenyl	495	D		UG/KG	168	RL	
38444-93-8	2,2',3,3'-Tetrachlorobiphenyl	1240	D		UG/KG	168	RL	
52663-59-9	2,2',3,4-Tetrachlorobiphenyl		C71		UG/KG	336	RL	
36559-22-5	2,2',3,4'-Tetrachlorobiphenyl	4330	D		UG/KG	168	RL	
70362-46-8	2,2',3,5-Tetrachlorobiphenyl		C49		UG/KG	336	RL	
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	13400	D		UG/KG	168	RL	
70362-45-7	2,2',3,6-Tetrachlorobiphenyl	1280	D		UG/KG	168	RL	
41464-47-5	2,2',3,6'-Tetrachlorobiphenyl	4330	D		UG/KG	168	RL	
2437-79-8	2,2',4,4'-Tetrachlorobiphenyl		C48		UG/KG	336	RL	
70362-47-9	2,2',4,5-Tetrachlorobiphenyl	15200	CD		UG/KG	336	RL	
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	57400	CD		UG/KG	336	RL	
62796-65-0	2,2',4,6-Tetrachlorobiphenyl	168	DU		UG/KG	168	RL	
68194-04-7	2,2',4,6'-Tetrachlorobiphenyl	5280	D		UG/KG	168	RL	
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	67100	D		UG/KG	168	RL	
41464-41-9	2,2',5,6'-Tetrachlorobiphenyl	12100	D		UG/KG	168	RL	
15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	231	D		UG/KG	168	RL	
41464-43-1	2,3,3',4'-Tetrachlorobiphenyl		C60		UG/KG	336	RL	
33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	406	CD		UG/KG	336	RL	
74472-34-7	2,3,4',5-Tetrachlorobiphenyl	242	D		UG/KG	168	RL	
52663-58-8	2,3,4',6-Tetrachlorobiphenyl	14200	D		UG/KG	168	RL	
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	1960	D		UG/KG	168	RL	
32598-11-1	2,3',4',5-Tetrachlorobiphenyl	922	D		UG/KG	168	RL	
41464-46-4	2,3',4',6-Tetrachlorobiphenyl	7800	CD		UG/KG	336	RL	
32690-93-0	2,4,4',5-Tetrachlorobiphenyl	1430	D		UG/KG	168	RL	
70362-48-0	2',3,4,5-Tetrachlorobiphenyl	168	DU		UG/KG	168	RL	
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	168	DU		UG/KG	168	RL	
70362-50-4	3,4,4',5-Tetrachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-62-4	2,2',3,3',4-Pentachlorobiphenyl	214	D		UG/KG	168	RL	
60145-20-2	2,2',3,3',5-Pentachlorobiphenyl	615	D		UG/KG	168	RL	
52663-60-2	2,2',3,3',6-Pentachlorobiphenyl		C101		UG/KG	336	RL	
65510-45-4	2,2',3,4,4'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
73575-57-2	2,2',3,4,6'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
68194-05-8	2,2',3,4',6-Pentachlorobiphenyl	9040	D		UG/KG	168	RL	
52663-61-3	2,2',3,5,5'-Pentachlorobiphenyl	3080	D		UG/KG	168	RL	
38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	13500	D		UG/KG	168	RL	
41464-51-1	2,2',3',4,5-Pentachlorobiphenyl	2220	D		UG/KG	168	RL	
38380-01-7	2,2',4,4',5-Pentachlorobiphenyl	10700	D		UG/KG	168	RL	
39485-83-1	2,2',4,4',6-Pentachlorobiphenyl	1140	D		UG/KG	168	RL	
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	11900	CD		UG/KG	336	RL	
56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
70424-68-9	2,3,3',4',5-Pentachlorobiphenyl	315	D		UG/KG	168	RL	
38380-03-9	2,3,3',4',6-Pentachlorobiphenyl	9830	D		UG/KG	168	RL	
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	168	DU	Page 14	UG/KG	168	RL	

31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	3500	D	db val	UG/KG	168	RL	
56558-17-9	2,3',4,4',6-Pentachlorobiphenyl	3260	D		UG/KG	168	RL	
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	696	D		UG/KG	168	RL	
70424-70-3	2',3,4,5,5'-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	168	DU		UG/KG	168	RL	
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		C167		UG/KG	336	RL	
55215-18-4	2,2',3,3',4,5-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-66-8	2,2',3,3',4,5'-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
61798-70-7	2,2',3,3',4,6-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
38380-05-1	2,2',3,3',4,6'-Hexachlorobiphenyl		C168		UG/KG	336	RL	
52704-70-8	2,2',3,3',5,6-Hexachlorobiphenyl	934	D		UG/KG	168	RL	
52744-13-5	2,2',3,3',5,6'-Hexachlorobiphenyl		C144		UG/KG	336	RL	
38411-22-2	2,2',3,3',6,6'-Hexachlorobiphenyl	2090	D		UG/KG	168	RL	
35694-06-5	2,2',3,4,4',5-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		C163		UG/KG	336	RL	
52712-04-6	2,2',3,4,5,5'-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
68194-14-9	2,2',3,4,5',6-Hexachlorobiphenyl	1370	CD		UG/KG	336	RL	
51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	1260	D		UG/KG	168	RL	
68194-13-8	2,2',3,4',5,6-Hexachlorobiphenyl	1060	D		UG/KG	168	RL	
38380-04-0	2,2',3,4',5',6-Hexachlorobiphenyl	12100	D		UG/KG	168	RL	
52663-63-5	2,2',3,5,5',6-Hexachlorobiphenyl	1590	D		UG/KG	168	RL	
35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	8090	D		UG/KG	168	RL	
60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	1240	D		UG/KG	168	RL	
33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl	188	D		UG/KG	168	RL	
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
74472-42-7	2,3,3',4,4',6-Hexachlorobiphenyl	270	D		UG/KG	168	RL	
74472-44-9	2,3,3',4',5,6-Hexachlorobiphenyl	4010	CD		UG/KG	336	RL	
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	616	CD		UG/KG	336	RL	
59291-65-5	2,3',4,4',5',6-Hexachlorobiphenyl	336	CDU		UG/KG	336	RL	
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	168	DU		UG/KG	168	RL	
35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl		C190		UG/KG	336	RL	
52663-71-5	2,2',3,3',4,4',6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-74-8	2,2',3,3',4,5,5'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
68194-16-1	2,2',3,3',4,5,6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
38411-25-5	2,2',3,3',4,5,6'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
40186-70-7	2,2',3,3',4,5',6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-65-7	2,2',3,3',4,6,6'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-70-4	2,2',3,3',4',5,6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-67-9	2,2',3,3',5,5',6-Heptachlorobiphenyl	311	D		UG/KG	168	RL	
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	630	D		UG/KG	168	RL	
60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl		C187		UG/KG	336	RL	
52663-69-1	2,2',3,4,4',5',6-Heptachlorobiphenyl	287	D		UG/KG	168	RL	
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52712-05-7	2,2',3,4,5,5',6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	1560	CD		UG/KG	336	RL	
74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
41411-64-7	2,3,3',4,4',5,6-Heptachlorobiphenyl	400	CD		UG/KG	336	RL	
74472-50-7	2,3,3',4,4',5',6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
69782-91-8	2,3,3',4',5,5',6-Heptachlorobiphenyl	168	DU		UG/KG	168	RL	
35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	229	D		UG/KG	168	RL	
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
42740-50-1	2,2',3,3',4,4',5',6-Octachlorobiphenyl		C203		UG/KG	336	RL	
33091-17-7	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-75-9	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-73-7	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-76-0	2,2',3,4,4',5,5',6-Octachlorobiphenyl	336	CDU		UG/KG	336	RL	
74472-53-0	2,3,3',4,4',5,5',6-Octachlorobiphenyl	168	DU		UG/KG	168	RL	
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	185	D		UG/KG	168	RL	
52663-79-3	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	168	DU		UG/KG	168	RL	
52663-77-1	2,2',3,3',4,5,5',6,6' - Nonachlorobiphenyl	168	DU		UG/KG	168	RL	
27323-18-8	Total MonoCB	449	D		UG/KG	168	RL	
25512-42-9	Total DiCB	48900	D	Page 15	UG/KG	168	RL	

25323-68-6	Total TriCB	180000	D	db_val	UG/KG	168	RL
26914-33-0	Total TetraCB	236000	D		UG/KG	168	RL
25429-29-2	Total PentaCB	97700	D		UG/KG	168	RL
26601-64-9	Total HexaCB	34100	D		UG/KG	168	RL
28655-71-2	Total HeptaCB	3730	D		UG/KG	168	RL
55722-26-4	Total OctaCB	1620	D		UG/KG	168	RL
53742-07-7	Total NonaCB	168	DU		UG/KG	168	RL
2051-24-3	DecaCB - Homologue	168	DU		UG/KG	168	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	168	DU		UG/KG	168	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
2051-60-7	2-Monochlorobiphenyl	75.9	D		PCT_REC	206	RL
2051-62-9	4-Monochlorobiphenyl	103	D		PCT_REC	206	RL
13029-08-8	2,2'-Dichlorobiphenyl		C10		PCT_REC	412	RL
16605-91-7	2,3-Dichlorobiphenyl		C8		PCT_REC	412	RL
34883-43-7	2,4'-Dichlorobiphenyl	152	CD		PCT_REC	412	RL
33146-45-1	2,6-Dichlorobiphenyl	109	CD		PCT_REC	412	RL
2050-68-2	4,4'-Dichlorobiphenyl	91	D		PCT_REC	206	RL
37680-65-2	2,2',5-Trichlorobiphenyl	212	D		PCT_REC	206	RL
38444-73-4	2,2',6-Trichlorobiphenyl	115	D		PCT_REC	206	RL
7012-37-5	2,4,4'-Trichlorobiphenyl		C31		PCT_REC	412	RL
15862-07-4	2,4,5-Trichlorobiphenyl	123	D		PCT_REC	206	RL
16606-02-3	2,4',5-Trichlorobiphenyl	258	CD		PCT_REC	412	RL
38444-90-5	3,4,4'-Trichlorobiphenyl	80.7	D		PCT_REC	206	RL
70362-46-8	2,2',3,5-Tetrachlorobiphenyl		C49		PCT_REC	412	RL
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	152	D		PCT_REC	206	RL
70362-45-7	2,2',3,6-Tetrachlorobiphenyl	94.1	D		PCT_REC	206	RL
2437-79-8	2,2',4,4'-Tetrachlorobiphenyl		C48		PCT_REC	412	RL
70362-47-9	2,2',4,5-Tetrachlorobiphenyl	60.7	CD		PCT_REC	412	RL
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	30.3	CD		PCT_REC	412	RL
62796-65-0	2,2',4,6-Tetrachlorobiphenyl	136	D		PCT_REC	206	RL
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	91	D		PCT_REC	206	RL
15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	89.8	D		PCT_REC	206	RL
41464-43-1	2,3,3',4'-Tetrachlorobiphenyl		C60		PCT_REC	412	RL
33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	92.3	CD		PCT_REC	412	RL
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	106	D		PCT_REC	206	RL
32598-11-1	2,3',4',5-Tetrachlorobiphenyl	84.4	D		PCT_REC	206	RL
32690-93-0	2,4,4',5-Tetrachlorobiphenyl	85	D		PCT_REC	206	RL
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	0	D		PCT_REC	206	RL
70362-50-4	3,4,4',5-Tetrachlorobiphenyl	88.6	D		PCT_REC	206	RL
52663-60-2	2,2',3,3',6-Pentachlorobiphenyl		C101		PCT_REC	412	RL
38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	361	D		PCT_REC	206	RL
38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	30.3	D		PCT_REC	206	RL
38380-01-7	2,2',4,4',5-Pentachlorobiphenyl	121	D		PCT_REC	206	RL
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	152	CD		PCT_REC	412	RL
56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	96.2	D		PCT_REC	206	RL
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	125	D		PCT_REC	206	RL
38380-03-9	2,3,3',4',6-Pentachlorobiphenyl	45.5	D		PCT_REC	206	RL
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	96.5	D		PCT_REC	206	RL
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	97.1	D		PCT_REC	206	RL
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	95.3	D		PCT_REC	206	RL
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	112	D		PCT_REC	206	RL
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		C167		PCT_REC	412	RL
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		C163		PCT_REC	412	RL
51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	72.8	D		PCT_REC	206	RL
38380-04-0	2,2',3,4',5',6-Hexachlorobiphenyl	30.3	D		PCT_REC	206	RL
52663-63-5	2,2',3,5,5',6-Hexachlorobiphenyl	78.9	D		PCT_REC	206	RL
35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	0	D		PCT_REC	206	RL
60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	48.6	D		PCT_REC	206	RL
33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	97.7	D		PCT_REC	206	RL
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl	67.1	D		PCT_REC	206	RL
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	83.8	D		PCT_REC	206	RL
74472-42-7	2,3,3',4,4',6-Hexachlorobiphenyl	81.3	D		PCT_REC	206	RL
74472-44-9	2,3,3',4',5,6-Hexachlorobiphenyl	30.3	CD		PCT_REC	412	RL
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	94.7	CD		PCT_REC	412	RL
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	92.9	D	Page 16	PCT_REC	206	RL

35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl		C190	db_val		PCT_REC	412	RL	
38411-25-5	2,2',3,3',4,5,6-Heptachlorobiphenyl	155	D			PCT_REC	206	RL	
52663-70-4	2,2',3,3',4',5,6-Heptachlorobiphenyl	122	D			PCT_REC	206	RL	
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	78.6	D			PCT_REC	206	RL	
60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl		C187			PCT_REC	412	RL	
52663-69-1	2,2',3,4,4',5',6-Heptachlorobiphenyl	81.3	D			PCT_REC	206	RL	
52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	78.9	CD			PCT_REC	412	RL	
74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	87.4	D			PCT_REC	206	RL	
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl	103	D			PCT_REC	206	RL	
41411-64-7	2,3,3',4,4',5,6-Heptachlorobiphenyl	65.2	CD			PCT_REC	412	RL	
35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	93.8	D			PCT_REC	206	RL	
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	102	D			PCT_REC	206	RL	
40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	127	D			PCT_REC	206	RL	
2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	110	D			PCT_REC	206	RL	
74472-53-0	2,3,3',4,4',5,5',6-Octachlorobiphenyl	103	D			PCT_REC	206	RL	
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	96.8	D			PCT_REC	206	RL	
52663-77-1	2,2',3,3',4,5,5',6,6' - Nonachlorobiphenyl	130	D			PCT_REC	206	RL	
2051-24-3	DecaCB - Homologue	126	D			PCT_REC	206	RL	
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D			PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D			PCT_REC		RL	
2051-60-7	2-Monochlorobiphenyl	75.3	D			PCT_REC	192	RL	
2051-62-9	4-Monochlorobiphenyl	105	D			PCT_REC	192	RL	
13029-08-8	2,2'-Dichlorobiphenyl		C10			PCT_REC	383	RL	
16605-91-7	2,3-Dichlorobiphenyl		C8			PCT_REC	383	RL	
34883-43-7	2,4'-Dichlorobiphenyl	97.8	CD			PCT_REC	383	RL	
33146-45-1	2,6-Dichlorobiphenyl	104	CD			PCT_REC	383	RL	
2050-68-2	4,4'-Dichlorobiphenyl	78.2	D			PCT_REC	192	RL	
37680-65-2	2,2',5-Trichlorobiphenyl	0	D			PCT_REC	192	RL	
38444-73-4	2,2',6-Trichlorobiphenyl	58.7	D			PCT_REC	192	RL	
7012-37-5	2,4,4'-Trichlorobiphenyl		C31			PCT_REC	383	RL	
15862-07-4	2,4,5-Trichlorobiphenyl	118	D			PCT_REC	192	RL	
16606-02-3	2,4',5-Trichlorobiphenyl	16.3	CD			PCT_REC	383	RL	
38444-90-5	3,4,4'-Trichlorobiphenyl	62.3	D			PCT_REC	192	RL	
70362-46-8	2,2',3,5-Tetrachlorobiphenyl		C49			PCT_REC	383	RL	
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl	0	D			PCT_REC	192	RL	
70362-45-7	2,2',3,6-Tetrachlorobiphenyl	75	D			PCT_REC	192	RL	
2437-79-8	2,2',4,4'-Tetrachlorobiphenyl		C48			PCT_REC	383	RL	
70362-47-9	2,2',4,5-Tetrachlorobiphenyl	0	CD			PCT_REC	383	RL	
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl	0	CD			PCT_REC	383	RL	
62796-65-0	2,2',4,6-Tetrachlorobiphenyl	142	D			PCT_REC	192	RL	
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl	0	D			PCT_REC	192	RL	
15968-05-5	2,2',6,6'-Tetrachlorobiphenyl	69.1	D			PCT_REC	192	RL	
41464-43-1	2,3,3',4'-Tetrachlorobiphenyl		C60			PCT_REC	383	RL	
33025-41-1	2,3,4,4'-Tetrachlorobiphenyl	74.7	CD			PCT_REC	383	RL	
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl	68.5	D			PCT_REC	192	RL	
32598-11-1	2,3',4',5-Tetrachlorobiphenyl	64.6	D			PCT_REC	192	RL	
32690-93-0	2,4,4',5-Tetrachlorobiphenyl	65.2	D			PCT_REC	192	RL	
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	0	D			PCT_REC	192	RL	
70362-50-4	3,4,4',5-Tetrachlorobiphenyl	91	D			PCT_REC	192	RL	
52663-60-2	2,2',3,3',6-Pentachlorobiphenyl		C101			PCT_REC	383	RL	
38380-02-8	2,2',3,4,5'-Pentachlorobiphenyl	320	D			PCT_REC	192	RL	
38379-99-6	2,2',3,5',6-Pentachlorobiphenyl	0	D			PCT_REC	192	RL	
38380-01-7	2,2',4,4',5-Pentachlorobiphenyl	0	D			PCT_REC	192	RL	
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl	0	CD			PCT_REC	383	RL	
56558-16-8	2,2',4,6,6'-Pentachlorobiphenyl	83.5	D			PCT_REC	192	RL	
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	119	D			PCT_REC	192	RL	
38380-03-9	2,3,3',4',6-Pentachlorobiphenyl	0	D			PCT_REC	192	RL	
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	85.1	D			PCT_REC	192	RL	
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	0	D			PCT_REC	192	RL	
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl	76.6	D			PCT_REC	192	RL	
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	172	D			PCT_REC	192	RL	
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl		C167			PCT_REC	383	RL	
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl		C163			PCT_REC	383	RL	
51908-16-8	2,2',3,4',5,5'-Hexachlorobiphenyl	26.1	D			PCT_REC	192	RL	
38380-04-0	2,2',3,4',5',6-Hexachlorobiphenyl	0	D			PCT_REC	192	RL	
52663-63-5	2,2',3,5,5',6-Hexachlorobiphenyl	35.9	D			PCT_REC	192	RL	

35065-27-1	2,2',4,4',5,5'-Hexachlorobiphenyl	0	D	db_val	PCT_REC	192	RL	
60145-22-4	2,2',4,4',5,6'-Hexachlorobiphenyl	35.9	D		PCT_REC	192	RL	
33979-03-2	2,2',4,4',6,6'-Hexachlorobiphenyl	88.4	D		PCT_REC	192	RL	
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl	65.5	D		PCT_REC	192	RL	
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl	86.1	D		PCT_REC	192	RL	
74472-42-7	2,3,3',4,4',6-Hexachlorobiphenyl	65.2	D		PCT_REC	192	RL	
74472-44-9	2,3,3',4,5,6-Hexachlorobiphenyl	0	CD		PCT_REC	383	RL	
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl	69.1	CD		PCT_REC	383	RL	
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	73.7	D		PCT_REC	192	RL	
35065-30-6	2,2',3,3',4,4',5-Heptachlorobiphenyl		C190		PCT_REC	383	RL	
38411-25-5	2,2',3,3',4,5,6'-Heptachlorobiphenyl	129	D		PCT_REC	192	RL	
52663-70-4	2,2',3,3',4,5,6-Heptachlorobiphenyl	115	D		PCT_REC	192	RL	
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobiphenyl	53.1	D		PCT_REC	192	RL	
60145-23-5	2,2',3,4,4',5,6'-Heptachlorobiphenyl		C187		PCT_REC	383	RL	
52663-69-1	2,2',3,4,4',5',6-Heptachlorobiphenyl	77.3	D		PCT_REC	192	RL	
52663-68-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	32.6	CD		PCT_REC	383	RL	
74487-85-7	2,2',3,4',5,6,6'-Heptachlorobiphenyl	83.1	D		PCT_REC	192	RL	
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl	99.4	D		PCT_REC	192	RL	
41411-64-7	2,3,3',4,4',5,6-Heptachlorobiphenyl	51.8	CD		PCT_REC	383	RL	
35694-08-7	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	83.5	D		PCT_REC	192	RL	
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobiphenyl	98.1	D		PCT_REC	192	RL	
40186-71-8	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	118	D		PCT_REC	192	RL	
2136-99-4	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	106	D		PCT_REC	192	RL	
74472-53-0	2,3,3',4,4',5,5',6-Octachlorobiphenyl	87	D		PCT_REC	192	RL	
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	55.1	D		PCT_REC	192	RL	
52663-77-1	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	124	D		PCT_REC	192	RL	
2051-24-3	DecaCB - Homologue	106	D		PCT_REC	192	RL	
CS-234432-87-2	13c12-2,2',6-Trcb2		0	D	PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2		0	D	PCT_REC		RL	
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.8			PCT	0.1	RL	
PCT_SOLIDS	Percent Solids	49.8			PCT	0.1	RL	
27323-18-8	Total MonoCB	98.5	D		UG/KG	16.9	RL	
25512-42-9	Total DiCB	6100	D		UG/KG	16.9	RL	
25323-68-6	Total TriCB	23400	D		UG/KG	16.9	RL	
26914-33-0	Total TetraCB	29500	D		UG/KG	16.9	RL	
25429-29-2	Total PentaCB	13800	D		UG/KG	16.9	RL	
26601-64-9	Total HexaCB	5010	D		UG/KG	16.9	RL	
28655-71-2	Total HeptaCB	625	D		UG/KG	16.9	RL	
55722-26-4	Total OctaCB	229	D		UG/KG	16.9	RL	
53742-07-7	Total NonaCB	215	D		UG/KG	16.9	RL	
H-2051-24-3_CONC	Total DecaCB, Concentration	16.9	DU		UG/KG	16.9	RL	
CS-234432-87-2	13c12-2,2',6-Trcb2	94	D		PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	97	D		PCT_REC		RL	
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.6			PCT	0.1	RL	
PCT_SOLIDS	Percent Solids	32.6			PCT	0.1	RL	
27323-18-8	Total MonoCB	432	D		UG/KG	166	RL	
25512-42-9	Total DiCB	50500	D		UG/KG	166	RL	
25323-68-6	Total TriCB	183000	D		UG/KG	166	RL	
26914-33-0	Total TetraCB	235000	D		UG/KG	166	RL	
25429-29-2	Total PentaCB	103000	D		UG/KG	166	RL	
26601-64-9	Total HexaCB	37100	D		UG/KG	166	RL	
28655-71-2	Total HeptaCB	5040	D		UG/KG	166	RL	
55722-26-4	Total OctaCB	1840	D		UG/KG	166	RL	
53742-07-7	Total NonaCB	1430	D		UG/KG	166	RL	
H-2051-24-3_CONC	Total DecaCB, Concentration	166	DU		UG/KG	166	RL	
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL	
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL	
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.2			PCT	0.1	RL	
PCT_SOLIDS	Percent Solids	46.9			PCT	0.1	RL	
27323-18-8	Total MonoCB	257	D		UG/KG	84.8	RL	
25512-42-9	Total DiCB	21900	D		UG/KG	84.8	RL	
25323-68-6	Total TriCB	78300	D		UG/KG	84.8	RL	
26914-33-0	Total TetraCB	67500	D		UG/KG	84.8	RL	
25429-29-2	Total PentaCB	18400	D		UG/KG	84.8	RL	
26601-64-9	Total HexaCB	7420	D		UG/KG	84.8	RL	
28655-71-2	Total HeptaCB	1360	D	Page 18	UG/KG	84.8	RL	

55722-26-4	Total OctaCB	391	D	db_val	UG/KG	84.8	RL
53742-07-7	Total NonaCB	84.8	DU		UG/KG	84.8	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	84.8	DU		UG/KG	84.8	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	103	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	110	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.9			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	41.7			PCT	0.1	RL
27323-18-8	Total MonoCB	97.2	D		UG/KG	16.9	RL
25512-42-9	Total DiCB	8880	D		UG/KG	16.9	RL
25323-68-6	Total TriCB	34600	D		UG/KG	16.9	RL
26914-33-0	Total TetraCB	36500	D		UG/KG	16.9	RL
25429-29-2	Total PentaCB	16800	D		UG/KG	16.9	RL
26601-64-9	Total HexaCB	5860	D		UG/KG	16.9	RL
28655-71-2	Total HeptaCB	731	D		UG/KG	16.9	RL
55722-26-4	Total OctaCB	229	D		UG/KG	16.9	RL
53742-07-7	Total NonaCB	189	D		UG/KG	16.9	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	16.9	DU		UG/KG	16.9	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	92	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	99	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.7			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	33.9			PCT	0.1	RL
27323-18-8	Total MonoCB	17800	D		UG/KG	1670	RL
25512-42-9	Total DiCB	680000	D		UG/KG	1670	RL
25323-68-6	Total TriCB	1440000	D		UG/KG	1670	RL
26914-33-0	Total TetraCB	1040000	D		UG/KG	1670	RL
25429-29-2	Total PentaCB	418000	D		UG/KG	1670	RL
26601-64-9	Total HexaCB	116000	D		UG/KG	1670	RL
28655-71-2	Total HeptaCB	20000	D		UG/KG	1670	RL
55722-26-4	Total OctaCB	1700	D		UG/KG	1670	RL
53742-07-7	Total NonaCB	1670	DU		UG/KG	1670	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	1670	DU		UG/KG	1670	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.7			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	29.9			PCT	0.1	RL
27323-18-8	Total MonoCB	2810	D		UG/KG	168	RL
25512-42-9	Total DiCB	167000	D		UG/KG	168	RL
25323-68-6	Total TriCB	432000	D		UG/KG	168	RL
26914-33-0	Total TetraCB	369000	D		UG/KG	168	RL
25429-29-2	Total PentaCB	149000	D		UG/KG	168	RL
26601-64-9	Total HexaCB	44200	D		UG/KG	168	RL
28655-71-2	Total HeptaCB	5490	D		UG/KG	168	RL
55722-26-4	Total OctaCB	2000	D		UG/KG	168	RL
53742-07-7	Total NonaCB	271	D		UG/KG	168	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	168	DU		UG/KG	168	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.4			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	36.8			PCT	0.1	RL
27323-18-8	Total MonoCB	292	D		UG/KG	16.6	RL
25512-42-9	Total DiCB	13700	D		UG/KG	16.6	RL
25323-68-6	Total TriCB	44300	D		UG/KG	16.6	RL
26914-33-0	Total TetraCB	41500	D		UG/KG	16.6	RL
25429-29-2	Total PentaCB	16300	D		UG/KG	16.6	RL
26601-64-9	Total HexaCB	6020	D		UG/KG	16.6	RL
28655-71-2	Total HeptaCB	834	D		UG/KG	16.6	RL
55722-26-4	Total OctaCB	286	D		UG/KG	16.6	RL
53742-07-7	Total NonaCB	205	D		UG/KG	16.6	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	16.6	DU		UG/KG	16.6	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	91	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	88	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.8			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	46.1			PCT	0.1	RL
27323-18-8	Total MonoCB	146	D		UG/KG	16.8	RL
25512-42-9	Total DiCB	8550	D		UG/KG	16.8	RL
25323-68-6	Total TriCB	26600	D	Page 19	UG/KG	16.8	RL

26914-33-0	Total TetraCB	26100	D	db_val	UG/KG	16.8	RL
25429-29-2	Total PentaCB	9090	D		UG/KG	16.8	RL
26601-64-9	Total HexaCB	3430	D		UG/KG	16.8	RL
28655-71-2	Total HeptaCB	480	D		UG/KG	16.8	RL
55722-26-4	Total OctaCB	173	D		UG/KG	16.8	RL
53742-07-7	Total NonaCB	40.1	D		UG/KG	16.8	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	16.8	DU		UG/KG	16.8	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	87	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	88	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.2			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	33.9			PCT	0.1	RL
27323-18-8	Total MonoCB	569	D		UG/KG	166	RL
25512-42-9	Total DiCB	44500	D		UG/KG	166	RL
25323-68-6	Total TriCB	163000	D		UG/KG	166	RL
26914-33-0	Total TetraCB	202000	D		UG/KG	166	RL
25429-29-2	Total PentaCB	89400	D		UG/KG	166	RL
26601-64-9	Total HexaCB	30700	D		UG/KG	166	RL
28655-71-2	Total HeptaCB	3720	D		UG/KG	166	RL
55722-26-4	Total OctaCB	1840	D		UG/KG	166	RL
53742-07-7	Total NonaCB	225	D		UG/KG	166	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	166	DU		UG/KG	166	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	96.8			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	34.7			PCT	0.1	RL
27323-18-8	Total MonoCB	5310	D		UG/KG	337	RL
25512-42-9	Total DiCB	277000	D		UG/KG	337	RL
25323-68-6	Total TriCB	693000	D		UG/KG	337	RL
26914-33-0	Total TetraCB	581000	D		UG/KG	337	RL
25429-29-2	Total PentaCB	262000	D		UG/KG	337	RL
26601-64-9	Total HexaCB	77000	D		UG/KG	337	RL
28655-71-2	Total HeptaCB	10300	D		UG/KG	337	RL
55722-26-4	Total OctaCB	4070	D		UG/KG	337	RL
53742-07-7	Total NonaCB	393	D		UG/KG	337	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	337	DU		UG/KG	337	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	97.9			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	38			PCT	0.1	RL
27323-18-8	Total MonoCB	13900	D	DJ	UG/KG	336	RL
25512-42-9	Total DiCB	517000	D	DJ	UG/KG	336	RL
25323-68-6	Total TriCB	1040000	D	DJ	UG/KG	336	RL
26914-33-0	Total TetraCB	664000	D	DJ	UG/KG	336	RL
25429-29-2	Total PentaCB	202000	D	DJ	UG/KG	336	RL
26601-64-9	Total HexaCB	54100	D	DJ	UG/KG	336	RL
28655-71-2	Total HeptaCB	7940	D	DJ	UG/KG	336	RL
55722-26-4	Total OctaCB	3220	D		UG/KG	336	RL
53742-07-7	Total NonaCB	336	DU		UG/KG	336	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	336	DU		UG/KG	336	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.1			PCT	0.1	RL
PCT_SOLIDS	Percent Solids	37.4			PCT	0.1	RL
27323-18-8	Total MonoCB	5340	D	DJ	UG/KG	332	RL
25512-42-9	Total DiCB	212000	D	DJ	UG/KG	332	RL
25323-68-6	Total TriCB	479000	D	DJ	UG/KG	332	RL
26914-33-0	Total TetraCB	314000	D	DJ	UG/KG	332	RL
25429-29-2	Total PentaCB	87800	D	DJ	UG/KG	332	RL
26601-64-9	Total HexaCB	24800	D	DJ	UG/KG	332	RL
28655-71-2	Total HeptaCB	3820	D	DJ	UG/KG	332	RL
55722-26-4	Total OctaCB	2900	D		UG/KG	332	RL
53742-07-7	Total NonaCB	332	DU		UG/KG	332	RL
H-2051-24-3_CONC	Total DecaCB, Concentration	332	DU		UG/KG	332	RL
CS-234432-87-2	13c12-2,2',6-Trcb2	0	D		PCT_REC		RL
CS-105600-26-8	13c12-2,2',3,3',5,5',6,6'-Occb2	0	D		PCT_REC		RL
PCT_SOLIDS_CONG_AIRDRIED	Percent Solids – Air-Dried-Congeners	98.4		Page 20	PCT	0.1	RL

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[illegible]

[illegible]

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T1+	Y		2/10/2012			Y		db_val	AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-12		30.09	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-12		30.09	G		NBH1342
						Y			AAL	L1119294-13		5	G		NBH1342
						Y			AAL	L1119294-13		5	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-13		30.75	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-13		30.75	G		NBH1342
						Y			AAL	L1119294-14		5	G		NBH1342
						Y			AAL	L1119294-14		5	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			Y			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-14		30.34	G		NBH1342
T1+	Y		2/10/2012			N			AAL	L1119294-14		30.34	G		NBH1342
						Y			AAL	L1119294-15		5	G		NBH1342
						Y			AAL	L1119294-15		5	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-15		30.4	G		NBH1342
						Y			AAL	L1119294-16		5	G		NBH1342
						Y			AAL	L1119294-16		5	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342
T1+	Y		2/10/2012	I	F1	Y			AAL	L1119294-16		30.7	G		NBH1342

[illegible]

db_val



ANALYTICAL REPORT

Lab Number:	L1119752
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	12/20/11

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119752-01	S-11N-C015-0-0.5	NEW BEDFORD, MA	11/17/11 15:06
L1119752-02	S-11N-C015-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:06
L1119752-03	S-11N-C015-1.0-1.5	NEW BEDFORD, MA	11/17/11 15:06
L1119752-04	S-11N-C016-0-0.5	NEW BEDFORD, MA	11/17/11 13:56
L1119752-05	S-11N-C016-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-06	S-11N-C016-1.0-2.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-07	S-11N-C016-2.0-3.0	NEW BEDFORD, MA	11/17/11 13:56
L1119752-08	S-11N-C017-0-0.5	NEW BEDFORD, MA	11/17/11 14:22
L1119752-09	S-11N-C017-0-0.5-REP	NEW BEDFORD, MA	11/17/11 14:22
L1119752-10	S-11N-C018-0-0.5	NEW BEDFORD, MA	11/17/11 09:33
L1119752-11	S-11N-C019-0-0.5	NEW BEDFORD, MA	11/17/11 09:58
L1119752-12	S-11N-C020-0-0.5	NEW BEDFORD, MA	11/17/11 10:19
L1119752-13	S-11N-C021-0-0.5	NEW BEDFORD, MA	11/17/11 10:35
L1119752-14	S-11N-C021-0.5-1.0	NEW BEDFORD, MA	11/17/11 10:35
L1119752-15	S-11N-C022-0-0.5	NEW BEDFORD, MA	11/17/11 10:48
L1119752-16	S-11N-C023-0-0.5	NEW BEDFORD, MA	11/17/11 11:06
L1119752-17	S-11N-C023-0.5-1.0	NEW BEDFORD, MA	11/17/11 11:06
L1119752-18	S-11N-C024-0-0.5	NEW BEDFORD, MA	11/17/11 11:57
L1119752-19	S-11N-C025-0-0.5	NEW BEDFORD, MA	11/17/11 12:07
L1119752-20	S-11N-C025-0.5-1.0	NEW BEDFORD, MA	11/17/11 12:07
L1119752-21	S-11N-C026-0-0.5	NEW BEDFORD, MA	11/17/11 12:23
L1119752-22	S-11N-C027-0-0.5	NEW BEDFORD, MA	11/17/11 12:43
L1119752-23	S-11N-C028-0-0.5	NEW BEDFORD, MA	11/17/11 13:00
L1119752-24	S-11N-C029-0-0.5	NEW BEDFORD, MA	11/17/11 13:20
L1119752-25	S-11N-C030-0-0.5	NEW BEDFORD, MA	11/17/11 13:35
L1119752-26	S-11N-C030-0.5-1.0	NEW BEDFORD, MA	11/17/11 13:35
L1119752-27	S-11N-C031-0-0.5	NEW BEDFORD, MA	11/17/11 14:10
L1119752-28	S-11N-C031-0.5-1.0	NEW BEDFORD, MA	11/17/11 14:10
L1119752-29	S-11N-C032-0-0.5	NEW BEDFORD, MA	11/17/11 14:41
L1119752-30	S-11N-C033-0-0.5	NEW BEDFORD, MA	11/17/11 14:54
L1119752-31	S-11N-C034-0-0.5	NEW BEDFORD, MA	11/17/11 15:17

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119752-32	S-11N-C034-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:17
L1119752-33	S-11N-C035-0-0.5	NEW BEDFORD, MA	11/22/11 08:59
L1119752-34	S-11N-C035-0.8-1.3	NEW BEDFORD, MA	11/22/11 08:59
L1119752-35	S-11N-C035-1.3-1.8	NEW BEDFORD, MA	11/22/11 08:59
L1119752-36	S-11N-C036-0.2-0.7	NEW BEDFORD, MA	11/22/11 09:19
L1119752-37	S-11N-C036-0.2-0.7-REP	NEW BEDFORD, MA	11/22/11 09:19
L1119752-38	S-11N-C037-0-0.5	NEW BEDFORD, MA	11/22/11 09:43
L1119752-39	S-11N-C037-1.0-1.5	NEW BEDFORD, MA	11/22/11 09:43

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Sediment samples were received intact and frozen on November 23, 2011 and placed in frozen storage. Samples were removed and initial percent solids were performed on November 29, 2011. The samples were placed in frozen storage after air-drying on December 2, 2011. Samples were removed from frozen storage on December 6, 2011 when they were removed to extract samples for PCB Congener analysis and analyze for air-dried percent solids.

PCB Congeners by GC/ECD

The PCB Congener analysis was performed utilizing dual column confirmation with the higher of the two values reported. Technical judgment was employed in the case of an observed interference. In each case that interference was observed on one column, the value from the opposite column was reported regardless of whether it was the higher or lower value.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Case Narrative (continued)

The majority of the samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

The WG506372-2 LCS recoveries, associated with L1119752-01,-02,-04,-06,-08,-09,-10,-11,-12,-13,-15,-16,-18,-19,-21,-22,-23 and -24, were above the acceptance criteria for CI2-BZ#8 (324%), CI3-BZ#18 (393%), CI3-BZ#28 (441%), CI4-BZ#52 (342%), CI4-BZ#44 (169%), CI4-BZ#66 (170%) and CI5-BZ#101 (152%); however, the LCSD was within QC limits. The WG506372-3 LCS/LCSD RPD(s) are above the acceptance criteria for several congeners due to the LCS outliers.

The WG506591-3 LCSD recoveries, associated with L1119752-25, -27, -29, -30, -31, -36,-37 and -38, are above the individual acceptance criteria for CI3-BZ#28 (150%), . The results of the associated samples are reported.

The WG506835-2 LCS recoveries are outside the acceptance criteria for CI3-BZ#28 (148%). The WG506835-3 LCS/LCSD RPD(s), associated with L1119752-33, are above the acceptance criteria for CI3-BZ#18 (34%) and CI3-BZ#28 (45%).

The MS/MSDs analyzed on samples L1119752-02 and -25 were not reported due to the high concentrations and dilutions needed for the field samples utilized for MS/MSD.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 12/20/11

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-01
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 11:20
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	230000		ug/kg	26800	--	20000
CI3-BZ#18	343000		ug/kg	26800	--	20000
CI5-BZ#118	ND		ug/kg	26800	--	20000
CI5-BZ#105	ND		ug/kg	26800	--	20000
CI6-BZ#138	ND		ug/kg	26800	--	20000
CI7-BZ#187	ND		ug/kg	26800	--	20000
CI6-BZ#128	ND		ug/kg	26800	--	20000
CI7-BZ#180	ND		ug/kg	26800	--	20000
CI7-BZ#170	ND		ug/kg	26800	--	20000
CI8-BZ#195	ND		ug/kg	26800	--	20000
CI9-BZ#206	ND		ug/kg	26800	--	20000
CI10-BZ#209	ND		ug/kg	26800	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-01
Client ID: S-11N-C015-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 11:20
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	316000		ug/kg	26800	--	20000
CI4-BZ#52	235000		ug/kg	26800	--	20000
CI4-BZ#44	88900		ug/kg	26800	--	20000
CI4-BZ#66	75200		ug/kg	26800	--	20000
CI5-BZ#101	37700		ug/kg	26800	--	20000
CI6-BZ#153	ND		ug/kg	26800	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	95		30-150
DBOB	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-02
Client ID: S-11N-C015-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 15:02
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	110000		ug/kg	13400	--	10000
CI3-BZ#18	157000		ug/kg	13400	--	10000
CI5-BZ#105	ND		ug/kg	13400	--	10000
CI6-BZ#138	ND		ug/kg	13400	--	10000
CI7-BZ#187	ND		ug/kg	13400	--	10000
CI6-BZ#128	ND		ug/kg	13400	--	10000
CI7-BZ#180	ND		ug/kg	13400	--	10000
CI7-BZ#170	ND		ug/kg	13400	--	10000
CI8-BZ#195	ND		ug/kg	13400	--	10000
CI9-BZ#206	ND		ug/kg	13400	--	10000
CI10-BZ#209	ND		ug/kg	13400	--	10000

DBOB	81	30-150
BZ 198	93	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-02
Client ID: S-11N-C015-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 15:02
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	151000		ug/kg	13400	--	10000
CI4-BZ#52	126000		ug/kg	13400	--	10000
CI4-BZ#44	52000		ug/kg	13400	--	10000
CI4-BZ#66	45400		ug/kg	13400	--	10000
CI5-BZ#101	20800		ug/kg	13400	--	10000
CI5-BZ#118	ND		ug/kg	13400	--	10000
CI6-BZ#153	ND		ug/kg	13400	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	81		30-150
BZ 198	93		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-04
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 17:57
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	55100		ug/kg	6730	--	5000
CI3-BZ#18	98300		ug/kg	6730	--	5000
CI5-BZ#105	ND		ug/kg	6730	--	5000
CI6-BZ#138	ND		ug/kg	6730	--	5000
CI7-BZ#187	ND		ug/kg	6730	--	5000
CI6-BZ#128	ND		ug/kg	6730	--	5000
CI7-BZ#180	ND		ug/kg	6730	--	5000
CI7-BZ#170	ND		ug/kg	6730	--	5000
CI8-BZ#195	ND		ug/kg	6730	--	5000
CI9-BZ#206	ND		ug/kg	6730	--	5000
CI10-BZ#209	ND		ug/kg	6730	--	5000

DBOB	100	30-150
BZ 198	87	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-04
Client ID: S-11N-C016-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 17:57
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	98200		ug/kg	6730	--	5000
CI4-BZ#52	103000		ug/kg	6730	--	5000
CI4-BZ#44	31900		ug/kg	6730	--	5000
CI4-BZ#66	28000		ug/kg	6730	--	5000
CI5-BZ#101	14900		ug/kg	6730	--	5000
CI5-BZ#118	6740		ug/kg	6730	--	5000
CI6-BZ#153	8960		ug/kg	6730	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	100		30-150
BZ 198	87		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-06
Client ID: S-11N-C016-1.0-2.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 18:41
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	80700		ug/kg	13300	--	10000
CI3-BZ#18	157000		ug/kg	13300	--	10000
CI5-BZ#118	ND		ug/kg	13300	--	10000
CI5-BZ#105	ND		ug/kg	13300	--	10000
CI6-BZ#138	ND		ug/kg	13300	--	10000
CI7-BZ#187	ND		ug/kg	13300	--	10000
CI6-BZ#128	ND		ug/kg	13300	--	10000
CI7-BZ#180	ND		ug/kg	13300	--	10000
CI7-BZ#170	ND		ug/kg	13300	--	10000
CI8-BZ#195	ND		ug/kg	13300	--	10000
CI9-BZ#206	ND		ug/kg	13300	--	10000
CI10-BZ#209	ND		ug/kg	13300	--	10000

DBOB	103	30-150
BZ 198	104	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-06
Client ID: S-11N-C016-1.0-2.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 18:41
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	143000		ug/kg	13300	--	10000
CI4-BZ#52	187000		ug/kg	13300	--	10000
CI4-BZ#44	39300		ug/kg	13300	--	10000
CI4-BZ#66	27700		ug/kg	13300	--	10000
CI5-BZ#101	ND		ug/kg	13300	--	10000
CI6-BZ#153	ND		ug/kg	13300	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	104		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-08
Client ID: S-11N-C017-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 19:24
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	17800		ug/kg	2680	--	2000
CI3-BZ#18	24400		ug/kg	2680	--	2000
CI5-BZ#105	ND		ug/kg	2680	--	2000
CI6-BZ#138	ND		ug/kg	2680	--	2000
CI7-BZ#187	ND		ug/kg	2680	--	2000
CI6-BZ#128	ND		ug/kg	2680	--	2000
CI7-BZ#180	ND		ug/kg	2680	--	2000
CI7-BZ#170	ND		ug/kg	2680	--	2000
CI8-BZ#195	ND		ug/kg	2680	--	2000
CI9-BZ#206	ND		ug/kg	2680	--	2000
CI10-BZ#209	ND		ug/kg	2680	--	2000

DBOB	110	30-150
BZ 198	102	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-08
Client ID: S-11N-C017-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 19:24
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	33400		ug/kg	2680	--	2000
CI4-BZ#52	32500		ug/kg	2680	--	2000
CI4-BZ#44	10300		ug/kg	2680	--	2000
CI4-BZ#66	8880		ug/kg	2680	--	2000
CI5-BZ#101	4820		ug/kg	2680	--	2000
CI5-BZ#118	ND		ug/kg	2680	--	2000
CI6-BZ#153	2900		ug/kg	2680	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	110		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-09
Client ID: S-11N-C017-0-0.5-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:08
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	29800		ug/kg	2700	--	2000
CI3-BZ#18	50100		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	3180		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

DBOB	98	30-150
BZ 198	89	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-09
Client ID: S-11N-C017-0-0.5-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:08
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:22
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	50300		ug/kg	2700	--	2000
CI4-BZ#52	51900		ug/kg	2700	--	2000
CI4-BZ#44	17000		ug/kg	2700	--	2000
CI4-BZ#66	14100		ug/kg	2700	--	2000
CI5-BZ#101	7380		ug/kg	2700	--	2000
CI5-BZ#118	3540		ug/kg	2700	--	2000
CI6-BZ#153	4660		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	98		30-150
BZ 198	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-10
Client ID: S-11N-C018-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:10
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:33
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	527		ug/kg	132	--	100
CI4-BZ#52	768		ug/kg	132	--	100
CI5-BZ#118	ND		ug/kg	132	--	100
CI5-BZ#105	ND		ug/kg	132	--	100
CI6-BZ#138	ND		ug/kg	132	--	100
CI7-BZ#187	ND		ug/kg	132	--	100
CI6-BZ#128	ND		ug/kg	132	--	100
CI7-BZ#180	ND		ug/kg	132	--	100
CI7-BZ#170	ND		ug/kg	132	--	100
CI8-BZ#195	ND		ug/kg	132	--	100
CI9-BZ#206	ND		ug/kg	132	--	100
CI10-BZ#209	ND		ug/kg	132	--	100

DBOB	119	30-150
BZ 198	98	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-10
Client ID: S-11N-C018-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:10
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:33
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	235		ug/kg	132	--	100
CI3-BZ#28	632		ug/kg	132	--	100
CI4-BZ#44	222		ug/kg	132	--	100
CI4-BZ#66	185		ug/kg	132	--	100
CI5-BZ#101	ND		ug/kg	132	--	100
CI6-BZ#153	ND		ug/kg	132	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	98		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-11
Client ID: S-11N-C019-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:54
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:58
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	276		ug/kg	133	--	100
CI3-BZ#18	635		ug/kg	133	--	100
CI5-BZ#105	ND		ug/kg	133	--	100
CI6-BZ#138	ND		ug/kg	133	--	100
CI7-BZ#187	ND		ug/kg	133	--	100
CI6-BZ#128	ND		ug/kg	133	--	100
CI7-BZ#180	ND		ug/kg	133	--	100
CI7-BZ#170	ND		ug/kg	133	--	100
CI8-BZ#195	ND		ug/kg	133	--	100
CI9-BZ#206	ND		ug/kg	133	--	100
CI10-BZ#209	ND		ug/kg	133	--	100

DBOB	111	30-150
BZ 198	97	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-11
Client ID: S-11N-C019-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 17:54
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 09:58
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	836		ug/kg	133	--	100
CI4-BZ#52	957		ug/kg	133	--	100
CI4-BZ#44	257		ug/kg	133	--	100
CI4-BZ#66	217		ug/kg	133	--	100
CI5-BZ#101	137		ug/kg	133	--	100
CI5-BZ#118	ND		ug/kg	133	--	100
CI6-BZ#153	ND		ug/kg	133	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	111		30-150
BZ 198	97		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-12
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 00:27
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	5510		ug/kg	1330	--	1000
CI3-BZ#18	10100		ug/kg	1330	--	1000
CI5-BZ#105	ND		ug/kg	1330	--	1000
CI6-BZ#138	ND		ug/kg	1330	--	1000
CI7-BZ#187	ND		ug/kg	1330	--	1000
CI6-BZ#128	ND		ug/kg	1330	--	1000
CI7-BZ#180	ND		ug/kg	1330	--	1000
CI7-BZ#170	ND		ug/kg	1330	--	1000
CI8-BZ#195	ND		ug/kg	1330	--	1000
CI9-BZ#206	ND		ug/kg	1330	--	1000
CI10-BZ#209	ND		ug/kg	1330	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-12
Client ID: S-11N-C020-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 00:27
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	12300		ug/kg	1330	--	1000
CI4-BZ#52	14100		ug/kg	1330	--	1000
CI4-BZ#44	3350		ug/kg	1330	--	1000
CI4-BZ#66	2710		ug/kg	1330	--	1000
CI5-BZ#101	1750		ug/kg	1330	--	1000
CI5-BZ#118	ND		ug/kg	1330	--	1000
CI6-BZ#153	1530		ug/kg	1330	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-13
Client ID: S-11N-C021-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	6690		ug/kg	1340	--	1000
CI3-BZ#18	9970		ug/kg	1340	--	1000
CI5-BZ#105	ND		ug/kg	1340	--	1000
CI6-BZ#138	1340		ug/kg	1340	--	1000
CI7-BZ#187	ND		ug/kg	1340	--	1000
CI6-BZ#128	ND		ug/kg	1340	--	1000
CI7-BZ#180	ND		ug/kg	1340	--	1000
CI7-BZ#170	ND		ug/kg	1340	--	1000
CI8-BZ#195	ND		ug/kg	1340	--	1000
CI9-BZ#206	ND		ug/kg	1340	--	1000
CI10-BZ#209	ND		ug/kg	1340	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-13
Client ID: S-11N-C021-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 10:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:16
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	16000		ug/kg	1340	--	1000
CI4-BZ#52	21800		ug/kg	1340	--	1000
CI4-BZ#44	4980		ug/kg	1340	--	1000
CI4-BZ#66	4140		ug/kg	1340	--	1000
CI5-BZ#101	2520		ug/kg	1340	--	1000
CI5-BZ#118	1460		ug/kg	1340	--	1000
CI6-BZ#153	2240		ug/kg	1340	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	103		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-15
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:55
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	2980		ug/kg	1320	--	1000
CI3-BZ#18	5990		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	83		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-15
Client ID: S-11N-C022-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 01:55
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 10:48
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	5030		ug/kg	1320	--	1000
CI4-BZ#52	8030		ug/kg	1320	--	1000
CI4-BZ#44	1390		ug/kg	1320	--	1000
CI4-BZ#66	1330		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	83		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-16
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:52
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	19900		ug/kg	13200	--	10000
CI3-BZ#18	45100		ug/kg	13200	--	10000
CI5-BZ#105	ND		ug/kg	13200	--	10000
CI6-BZ#138	ND		ug/kg	13200	--	10000
CI7-BZ#187	ND		ug/kg	13200	--	10000
CI6-BZ#128	ND		ug/kg	13200	--	10000
CI7-BZ#180	ND		ug/kg	13200	--	10000
CI7-BZ#170	ND		ug/kg	13200	--	10000
CI8-BZ#195	ND		ug/kg	13200	--	10000
CI9-BZ#206	ND		ug/kg	13200	--	10000
CI10-BZ#209	ND		ug/kg	13200	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	90		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-16
Client ID: S-11N-C023-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 20:52
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 11:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	42300		ug/kg	13200	--	10000
CI4-BZ#52	159000		ug/kg	13200	--	10000
CI4-BZ#44	41600		ug/kg	13200	--	10000
CI4-BZ#66	63600		ug/kg	13200	--	10000
CI5-BZ#101	55400		ug/kg	13200	--	10000
CI5-BZ#118	46500		ug/kg	13200	--	10000
CI6-BZ#153	40300		ug/kg	13200	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	90		30-150
DBOB	89		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-18
Client ID: S-11N-C024-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 21:35
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 11:57
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	11400		ug/kg	2650	--	2000
CI3-BZ#18	17300		ug/kg	2650	--	2000
CI5-BZ#105	ND		ug/kg	2650	--	2000
CI6-BZ#138	ND		ug/kg	2650	--	2000
CI7-BZ#187	ND		ug/kg	2650	--	2000
CI6-BZ#128	ND		ug/kg	2650	--	2000
CI7-BZ#180	ND		ug/kg	2650	--	2000
CI7-BZ#170	ND		ug/kg	2650	--	2000
CI8-BZ#195	ND		ug/kg	2650	--	2000
CI9-BZ#206	ND		ug/kg	2650	--	2000
CI10-BZ#209	ND		ug/kg	2650	--	2000

DBOB	98	30-150
BZ 198	94	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-18
Client ID: S-11N-C024-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 21:35
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 11:57
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	21600		ug/kg	2650	--	2000
CI4-BZ#52	28300		ug/kg	2650	--	2000
CI4-BZ#44	7610		ug/kg	2650	--	2000
CI4-BZ#66	6770		ug/kg	2650	--	2000
CI5-BZ#101	3720		ug/kg	2650	--	2000
CI5-BZ#118	ND		ug/kg	2650	--	2000
CI6-BZ#153	2930		ug/kg	2650	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	98		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-19
Client ID: S-11N-C025-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 22:19
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:07
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	37200		ug/kg	6640	--	5000
CI3-BZ#18	72400		ug/kg	6640	--	5000
CI5-BZ#118	ND		ug/kg	6640	--	5000
CI5-BZ#105	ND		ug/kg	6640	--	5000
CI6-BZ#138	ND		ug/kg	6640	--	5000
CI7-BZ#187	ND		ug/kg	6640	--	5000
CI6-BZ#128	ND		ug/kg	6640	--	5000
CI7-BZ#180	ND		ug/kg	6640	--	5000
CI7-BZ#170	ND		ug/kg	6640	--	5000
CI8-BZ#195	ND		ug/kg	6640	--	5000
CI9-BZ#206	ND		ug/kg	6640	--	5000
CI10-BZ#209	ND		ug/kg	6640	--	5000

DBOB	91	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-19
Client ID: S-11N-C025-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 22:19
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:07
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	66300		ug/kg	6640	--	5000
CI4-BZ#52	78800		ug/kg	6640	--	5000
CI4-BZ#44	21600		ug/kg	6640	--	5000
CI4-BZ#66	16700		ug/kg	6640	--	5000
CI5-BZ#101	8290		ug/kg	6640	--	5000
CI6-BZ#153	ND		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	91		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-21
Client ID: S-11N-C026-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:03
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:23
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	43100		ug/kg	6640	--	5000
CI3-BZ#18	84600		ug/kg	6640	--	5000
CI5-BZ#105	ND		ug/kg	6640	--	5000
CI6-BZ#138	ND		ug/kg	6640	--	5000
CI7-BZ#187	ND		ug/kg	6640	--	5000
CI6-BZ#128	ND		ug/kg	6640	--	5000
CI7-BZ#180	ND		ug/kg	6640	--	5000
CI7-BZ#170	ND		ug/kg	6640	--	5000
CI8-BZ#195	ND		ug/kg	6640	--	5000
CI9-BZ#206	ND		ug/kg	6640	--	5000
CI10-BZ#209	ND		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	93		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-21
Client ID: S-11N-C026-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:03
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:23
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	78100		ug/kg	6640	--	5000
CI4-BZ#52	86000		ug/kg	6640	--	5000
CI4-BZ#44	22400		ug/kg	6640	--	5000
CI4-BZ#66	19000		ug/kg	6640	--	5000
CI5-BZ#101	10000		ug/kg	6640	--	5000
CI5-BZ#118	ND		ug/kg	6640	--	5000
CI6-BZ#153	6840		ug/kg	6640	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	93		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-22
Client ID: S-11N-C027-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:47
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	47000		ug/kg	6680	--	5000
CI3-BZ#18	85200		ug/kg	6680	--	5000
CI5-BZ#105	ND		ug/kg	6680	--	5000
CI6-BZ#138	ND		ug/kg	6680	--	5000
CI7-BZ#187	ND		ug/kg	6680	--	5000
CI6-BZ#128	ND		ug/kg	6680	--	5000
CI7-BZ#180	ND		ug/kg	6680	--	5000
CI7-BZ#170	ND		ug/kg	6680	--	5000
CI8-BZ#195	ND		ug/kg	6680	--	5000
CI9-BZ#206	ND		ug/kg	6680	--	5000
CI10-BZ#209	ND		ug/kg	6680	--	5000

DBOB	97	30-150
BZ 198	105	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-22
Client ID: S-11N-C027-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 23:47
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 12:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	85900		ug/kg	6680	--	5000
CI4-BZ#52	112000		ug/kg	6680	--	5000
CI4-BZ#44	27600		ug/kg	6680	--	5000
CI4-BZ#66	21700		ug/kg	6680	--	5000
CI5-BZ#101	10500		ug/kg	6680	--	5000
CI5-BZ#118	ND		ug/kg	6680	--	5000
CI6-BZ#153	8550		ug/kg	6680	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	97		30-150
BZ 198	105		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-23
Client ID: S-11N-C028-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 06:17
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:00
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	5280		ug/kg	1320	--	1000
CI3-BZ#18	7410		ug/kg	1320	--	1000
CI5-BZ#118	1680		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	109		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-23
Client ID: S-11N-C028-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/15/11 06:17
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:00
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	9840		ug/kg	1320	--	1000
CI4-BZ#52	12500		ug/kg	1320	--	1000
CI4-BZ#44	3980		ug/kg	1320	--	1000
CI4-BZ#66	3850		ug/kg	1320	--	1000
CI5-BZ#101	2370		ug/kg	1320	--	1000
CI6-BZ#153	1680		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	109		30-150
BZ 198	94		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-24
Client ID: S-11N-C029-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 18:37
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:20
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	437		ug/kg	133	--	100
CI3-BZ#18	771		ug/kg	133	--	100
CI5-BZ#118	ND		ug/kg	133	--	100
CI5-BZ#105	ND		ug/kg	133	--	100
CI6-BZ#138	ND		ug/kg	133	--	100
CI7-BZ#187	ND		ug/kg	133	--	100
CI6-BZ#128	ND		ug/kg	133	--	100
CI7-BZ#180	ND		ug/kg	133	--	100
CI7-BZ#170	ND		ug/kg	133	--	100
CI8-BZ#195	ND		ug/kg	133	--	100
CI9-BZ#206	ND		ug/kg	133	--	100
CI10-BZ#209	ND		ug/kg	133	--	100

DBOB	89	30-150
BZ 198	80	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-24
Client ID: S-11N-C029-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 18:37
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 13:20
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/11 13:17
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	653		ug/kg	133	--	100
CI4-BZ#52	792		ug/kg	133	--	100
CI4-BZ#44	189		ug/kg	133	--	100
CI4-BZ#66	150		ug/kg	133	--	100
CI5-BZ#101	ND		ug/kg	133	--	100
CI6-BZ#153	ND		ug/kg	133	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	80		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-25
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 00:30
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	86800		ug/kg	13500	--	10000
CI3-BZ#18	149000		ug/kg	13500	--	10000
CI5-BZ#105	ND		ug/kg	13500	--	10000
CI6-BZ#138	ND		ug/kg	13500	--	10000
CI7-BZ#187	ND		ug/kg	13500	--	10000
CI6-BZ#128	ND		ug/kg	13500	--	10000
CI7-BZ#180	ND		ug/kg	13500	--	10000
CI7-BZ#170	ND		ug/kg	13500	--	10000
CI8-BZ#195	ND		ug/kg	13500	--	10000
CI9-BZ#206	ND		ug/kg	13500	--	10000
CI10-BZ#209	ND		ug/kg	13500	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	82		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-25
Client ID: S-11N-C030-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 00:30
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 13:35
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	132000		ug/kg	13500	--	10000
CI4-BZ#52	154000		ug/kg	13500	--	10000
CI4-BZ#44	46000		ug/kg	13500	--	10000
CI4-BZ#66	44300		ug/kg	13500	--	10000
CI5-BZ#101	26400		ug/kg	13500	--	10000
CI5-BZ#118	ND		ug/kg	13500	--	10000
CI6-BZ#153	16200		ug/kg	13500	--	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	82		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-27
Client ID: S-11N-C031-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 02:42
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	14200		ug/kg	2690	--	2000
CI3-BZ#18	27600		ug/kg	2690	--	2000
CI5-BZ#105	ND		ug/kg	2690	--	2000
CI6-BZ#138	ND		ug/kg	2690	--	2000
CI7-BZ#187	ND		ug/kg	2690	--	2000
CI6-BZ#128	ND		ug/kg	2690	--	2000
CI7-BZ#180	ND		ug/kg	2690	--	2000
CI7-BZ#170	ND		ug/kg	2690	--	2000
CI8-BZ#195	ND		ug/kg	2690	--	2000
CI9-BZ#206	ND		ug/kg	2690	--	2000
CI10-BZ#209	ND		ug/kg	2690	--	2000

DBOB	83	30-150
BZ 198	85	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-27
Client ID: S-11N-C031-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 02:42
Analyst: JW
Percent Solids: 97%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	35400		ug/kg	2690	--	2000
CI4-BZ#52	38400		ug/kg	2690	--	2000
CI4-BZ#44	11600		ug/kg	2690	--	2000
CI4-BZ#66	9980		ug/kg	2690	--	2000
CI5-BZ#101	5220		ug/kg	2690	--	2000
CI5-BZ#118	ND		ug/kg	2690	--	2000
CI6-BZ#153	3580		ug/kg	2690	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	83		30-150
BZ 198	85		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-29
Client ID: S-11N-C032-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 20:05
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:41
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	65.8		ug/kg	13.2	--	10
CI4-BZ#52	93.0		ug/kg	13.2	--	10
CI4-BZ#66	17.0		ug/kg	13.2	--	10
CI5-BZ#118	ND		ug/kg	13.2	--	10
CI5-BZ#105	ND		ug/kg	13.2	--	10
CI6-BZ#138	ND		ug/kg	13.2	--	10
CI7-BZ#187	ND		ug/kg	13.2	--	10
CI6-BZ#128	ND		ug/kg	13.2	--	10
CI7-BZ#180	ND		ug/kg	13.2	--	10
CI7-BZ#170	ND		ug/kg	13.2	--	10
CI8-BZ#195	ND		ug/kg	13.2	--	10
CI9-BZ#206	ND		ug/kg	13.2	--	10
CI10-BZ#209	ND		ug/kg	13.2	--	10

DBOB	119	30-150
BZ 198	101	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-29
Client ID: S-11N-C032-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/14/11 20:05
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:41
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	48.4		ug/kg	13.2	--	10
Cl3-BZ#28	60.1		ug/kg	13.2	--	10
Cl4-BZ#44	20.1		ug/kg	13.2	--	10
Cl5-BZ#101	ND		ug/kg	13.2	--	10
Cl6-BZ#153	ND		ug/kg	13.2	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	119		30-150
BZ 198	101		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-30
Client ID: S-11N-C033-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 03:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:54
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	13700		ug/kg	2690	--	2000
CI3-BZ#18	19700		ug/kg	2690	--	2000
CI5-BZ#105	ND		ug/kg	2690	--	2000
CI6-BZ#138	ND		ug/kg	2690	--	2000
CI7-BZ#187	ND		ug/kg	2690	--	2000
CI6-BZ#128	ND		ug/kg	2690	--	2000
CI7-BZ#180	ND		ug/kg	2690	--	2000
CI7-BZ#170	ND		ug/kg	2690	--	2000
CI8-BZ#195	ND		ug/kg	2690	--	2000
CI9-BZ#206	ND		ug/kg	2690	--	2000
CI10-BZ#209	ND		ug/kg	2690	--	2000

DBOB	84	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-30
Client ID: S-11N-C033-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 03:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:54
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	27100		ug/kg	2690	--	2000
CI4-BZ#52	34000		ug/kg	2690	--	2000
CI4-BZ#44	11900		ug/kg	2690	--	2000
CI4-BZ#66	11000		ug/kg	2690	--	2000
CI5-BZ#101	7160		ug/kg	2690	--	2000
CI5-BZ#118	4490		ug/kg	2690	--	2000
CI6-BZ#153	4980		ug/kg	2690	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	84		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-31
Client ID: S-11N-C034-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 04:53
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	25000		ug/kg	2700	--	2000
CI3-BZ#18	34000		ug/kg	2700	--	2000
CI5-BZ#105	ND		ug/kg	2700	--	2000
CI6-BZ#138	ND		ug/kg	2700	--	2000
CI7-BZ#187	ND		ug/kg	2700	--	2000
CI6-BZ#128	ND		ug/kg	2700	--	2000
CI7-BZ#180	ND		ug/kg	2700	--	2000
CI7-BZ#170	ND		ug/kg	2700	--	2000
CI8-BZ#195	ND		ug/kg	2700	--	2000
CI9-BZ#206	ND		ug/kg	2700	--	2000
CI10-BZ#209	ND		ug/kg	2700	--	2000

DBOB	88	30-150
BZ 198	99	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-31
Client ID: S-11N-C034-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 04:53
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	50500		ug/kg	2700	--	2000
CI4-BZ#52	52700		ug/kg	2700	--	2000
CI4-BZ#44	14800		ug/kg	2700	--	2000
CI4-BZ#66	10800		ug/kg	2700	--	2000
CI5-BZ#101	4670		ug/kg	2700	--	2000
CI5-BZ#118	ND		ug/kg	2700	--	2000
CI6-BZ#153	3450		ug/kg	2700	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	88		30-150
BZ 198	99		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-33
Client ID: S-11N-C035-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 05:37
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 08:59
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/08/11 10:53
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	66000		ug/kg	6770	--	5000
CI3-BZ#18	114000		ug/kg	6770	--	5000
CI5-BZ#118	ND		ug/kg	6770	--	5000
CI5-BZ#105	ND		ug/kg	6770	--	5000
CI6-BZ#138	ND		ug/kg	6770	--	5000
CI7-BZ#187	ND		ug/kg	6770	--	5000
CI6-BZ#128	ND		ug/kg	6770	--	5000
CI7-BZ#180	ND		ug/kg	6770	--	5000
CI7-BZ#170	ND		ug/kg	6770	--	5000
CI8-BZ#195	ND		ug/kg	6770	--	5000
CI9-BZ#206	ND		ug/kg	6770	--	5000
CI10-BZ#209	ND		ug/kg	6770	--	5000

DBOB	100	30-150
BZ 198	109	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-33
Client ID: S-11N-C035-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 05:37
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 08:59
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/08/11 10:53
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	109000		ug/kg	6770	--	5000
CI4-BZ#52	94900		ug/kg	6770	--	5000
CI4-BZ#44	35000		ug/kg	6770	--	5000
CI4-BZ#66	23600		ug/kg	6770	--	5000
CI5-BZ#101	14000		ug/kg	6770	--	5000
CI6-BZ#153	8660		ug/kg	6770	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	100		30-150
BZ 198	109		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-36
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 12:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	228000		ug/kg	27000	--	20000
CI3-BZ#18	268000		ug/kg	27000	--	20000
CI5-BZ#105	ND		ug/kg	27000	--	20000
CI6-BZ#138	ND		ug/kg	27000	--	20000
CI7-BZ#187	ND		ug/kg	27000	--	20000
CI6-BZ#128	ND		ug/kg	27000	--	20000
CI7-BZ#180	ND		ug/kg	27000	--	20000
CI7-BZ#170	ND		ug/kg	27000	--	20000
CI8-BZ#195	ND		ug/kg	27000	--	20000
CI9-BZ#206	ND		ug/kg	27000	--	20000
CI10-BZ#209	ND		ug/kg	27000	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	91		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-36
Client ID: S-11N-C036-0.2-0.7
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 12:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	314000		ug/kg	27000	--	20000
CI4-BZ#52	228000		ug/kg	27000	--	20000
CI4-BZ#44	81500		ug/kg	27000	--	20000
CI4-BZ#66	71000		ug/kg	27000	--	20000
CI5-BZ#101	27300		ug/kg	27000	--	20000
CI5-BZ#118	ND		ug/kg	27000	--	20000
CI6-BZ#153	ND		ug/kg	27000	--	20000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
BZ 198	91		30-150
DBOB	88		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-37
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:04
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	90200		ug/kg	6630	--	5000
CI3-BZ#18	120000		ug/kg	6630	--	5000
CI5-BZ#105	ND		ug/kg	6630	--	5000
CI6-BZ#138	ND		ug/kg	6630	--	5000
CI7-BZ#187	ND		ug/kg	6630	--	5000
CI6-BZ#128	ND		ug/kg	6630	--	5000
CI7-BZ#180	ND		ug/kg	6630	--	5000
CI7-BZ#170	ND		ug/kg	6630	--	5000
CI8-BZ#195	ND		ug/kg	6630	--	5000
CI9-BZ#206	ND		ug/kg	6630	--	5000
CI10-BZ#209	ND		ug/kg	6630	--	5000

DBOB	99	30-150
BZ 198	107	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-37
Client ID: S-11N-C036-0.2-0.7-REP
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:04
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:19
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	132000		ug/kg	6630	--	5000
CI4-BZ#52	119000		ug/kg	6630	--	5000
CI4-BZ#44	33100		ug/kg	6630	--	5000
CI4-BZ#66	24800		ug/kg	6630	--	5000
CI5-BZ#101	10600		ug/kg	6630	--	5000
CI5-BZ#118	ND		ug/kg	6630	--	5000
CI6-BZ#153	6660		ug/kg	6630	--	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	99		30-150
BZ 198	107		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-38
Client ID: S-11N-C037-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:48
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	20400		ug/kg	2660	--	2000
CI3-BZ#18	28100		ug/kg	2660	--	2000
CI5-BZ#105	ND		ug/kg	2660	--	2000
CI6-BZ#138	ND		ug/kg	2660	--	2000
CI7-BZ#187	ND		ug/kg	2660	--	2000
CI6-BZ#128	ND		ug/kg	2660	--	2000
CI7-BZ#180	ND		ug/kg	2660	--	2000
CI7-BZ#170	ND		ug/kg	2660	--	2000
CI8-BZ#195	ND		ug/kg	2660	--	2000
CI9-BZ#206	ND		ug/kg	2660	--	2000
CI10-BZ#209	ND		ug/kg	2660	--	2000

DBOB	97	30-150
BZ 198	97	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**SAMPLE RESULTS**

Lab ID: L1119752-38
Client ID: S-11N-C037-0-0.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 12/16/11 07:48
Analyst: JW
Percent Solids: 98%

Date Collected: 11/22/11 09:43
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/07/11 11:51
Cleanup Method1: EPA 3630
Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	33500		ug/kg	2660	--	2000
CI4-BZ#52	39100		ug/kg	2660	--	2000
CI4-BZ#44	9900		ug/kg	2660	--	2000
CI4-BZ#66	7460		ug/kg	2660	--	2000
CI5-BZ#101	3500		ug/kg	2660	--	2000
CI5-BZ#118	ND		ug/kg	2660	--	2000
CI6-BZ#153	2720		ug/kg	2660	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	97		30-150
BZ 198	97		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 19:06
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/06/11 13:16
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 19:06
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/06/11 13:16
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	85		30-150
BZ 198	102		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 16:54
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/07/11 11:51
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 25,27,29-31,36-38 Batch: WG506591-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	71		30-150
BZ 198	91		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 16:54
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/07/11 11:51
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 25,27,29-31,36-38 Batch: WG506591-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	71		30-150
BZ 198	91		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 14:43
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/08/11 10:53
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 33 Batch: WG506835-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 12/13/11 14:43
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/08/11 10:53
 Cleanup Method1: EPA 3630
 Cleanup Date1: 12/12/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 33 Batch: WG506835-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	77		30-150
BZ 198	95		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3								
Cl2-BZ#8	324	Q	101		40-140	105	Q	30
Cl3-BZ#18	393	Q	116		40-140	109	Q	30
Cl3-BZ#28	441	Q	105		40-140	123	Q	30
Cl4-BZ#52	342	Q	98		40-140	111	Q	30
Cl4-BZ#44	169	Q	88		40-140	63	Q	30
Cl4-BZ#66	170	Q	88		40-140	64	Q	30
Cl5-BZ#101	152	Q	90		40-140	51	Q	30
Cl5-BZ#118	116		90		40-140	25		30
Cl5-BZ#105	80		83		40-140	4		30
Cl6-BZ#138	102		89		40-140	14		30
Cl7-BZ#187	94		91		40-140	3		30
Cl6-BZ#128	88		87		40-140	1		30
Cl7-BZ#180	100		94		40-140	6		30
Cl7-BZ#170	94		89		40-140	5		30
Cl8-BZ#195	87		85		40-140	2		30
Cl9-BZ#206	96		97		40-140	1		30
Cl10-BZ#209	87		88		40-140	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3

DBOB	91	90	30-150
BZ 198	97	98	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 Batch: WG506372-2 WG506372-3

Cl6-BZ#153	110	81	40-140	30	30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	91		90		30-150
BZ 198	97		98		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3								
CI2-BZ#8	106		110		40-140	4		30
CI3-BZ#18	124		136		40-140	9		30
CI3-BZ#28	121		150	Q	40-140	21		30
CI4-BZ#52	105		127		40-140	19		30
CI4-BZ#44	92		97		40-140	5		30
CI4-BZ#66	91		98		40-140	7		30
CI5-BZ#101	91		97		40-140	6		30
CI5-BZ#118	98		96		40-140	2		30
CI5-BZ#105	90		82		40-140	9		30
CI6-BZ#138	97		96		40-140	1		30
CI7-BZ#187	97		94		40-140	3		30
CI6-BZ#128	96		92		40-140	4		30
CI7-BZ#180	104		101		40-140	3		30
CI7-BZ#170	99		95		40-140	4		30
CI8-BZ#195	94		91		40-140	3		30
CI9-BZ#206	105		101		40-140	4		30
CI10-BZ#209	94		89		40-140	5		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3								

DBOB	79	77	30-150
BZ 198	94	99	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 25,27,29-31,36-38 Batch: WG506591-2 WG506591-3								
Cl6-BZ#153	86		87		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	79		77		30-150
BZ 198	94		99		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3								
CI2-BZ#8	101		80		40-140	23		30
CI3-BZ#18	127		90		40-140	34	Q	30
CI3-BZ#28	148	Q	94		40-140	45	Q	30
CI4-BZ#52	127		101		40-140	23		30
CI4-BZ#44	100		85		40-140	16		30
CI4-BZ#66	98		83		40-140	17		30
CI5-BZ#101	101		84		40-140	18		30
CI5-BZ#118	108		86		40-140	23		30
CI5-BZ#105	94		80		40-140	16		30
CI6-BZ#138	102		86		40-140	17		30
CI7-BZ#187	100		86		40-140	15		30
CI6-BZ#128	100		85		40-140	16		30
CI7-BZ#180	109		90		40-140	19		30
CI7-BZ#170	103		87		40-140	17		30
CI8-BZ#195	94		83		40-140	12		30
CI9-BZ#206	109		93		40-140	16		30
CI10-BZ#209	98		85		40-140	14		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3

DBOB	80	73	30-150
BZ 198	98	89	30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 33 Batch: WG506835-2 WG506835-3

Cl6-BZ#153	92	75	40-140	20	30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
DBOB	80		73		30-150
BZ 198	98		89		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119752**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-01**Client ID:** S-11N-C015-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/17/11 15:06**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-02

Date Collected: 11/17/11 15:06

Client ID: S-11N-C015-0.5-1.0

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	40.4		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119752**Report Date:** 12/20/11**SAMPLE RESULTS****Lab ID:** L1119752-04**Client ID:** S-11N-C016-0-0.5**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/17/11 13:56**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	29.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-06

Client ID: S-11N-C016-1.0-2.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:56

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.6		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	36.5		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-08

Client ID: S-11N-C017-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:22

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	38.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-09

Client ID: S-11N-C017-0-0.5-REP

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:22

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.7		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	31.3		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-10

Client ID: S-11N-C018-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 09:33

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	99.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	42.2		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-11

Client ID: S-11N-C019-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 09:58

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	46.7		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-12

Client ID: S-11N-C020-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 10:19

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	36.8		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-13

Client ID: S-11N-C021-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 10:35

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.1		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	34.5		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-15

Client ID: S-11N-C022-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 10:48

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	46.1		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-16

Client ID: S-11N-C023-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 11:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-18

Client ID: S-11N-C024-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 11:57

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.9		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	41.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-19

Date Collected: 11/17/11 12:07

Client ID: S-11N-C025-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	35.3		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-21

Client ID: S-11N-C026-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 12:23

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.0		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	34.0		%	0.100	NA	1	-	11/30/11 09:40	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-22

Client ID: S-11N-C027-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 12:43

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	33.9		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-23

Client ID: S-11N-C028-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:00

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	99.2		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	49.2		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-24

Client ID: S-11N-C029-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:20

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.8		%	0.100	--	1	-	12/06/11 11:45	30,2540G	KB
Solids, Total (Pre-Dried)	44.3		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-25

Client ID: S-11N-C030-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 13:35

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.8		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-27

Client ID: S-11N-C031-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:10

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.4		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	31.6		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Lab Number: L1119752

Project Number: TO-0010-04

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-29

Date Collected: 11/17/11 14:41

Client ID: S-11N-C032-0-0.5

Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Sediment

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	39.5		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-30

Client ID: S-11N-C033-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:54

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	39.1		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-31

Client ID: S-11N-C034-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:17

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	32.2		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-33

Client ID: S-11N-C035-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/22/11 08:59

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.5		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-36

Client ID: S-11N-C036-0.2-0.7

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/22/11 09:19

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	97.9		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	38.0		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-37
 Client ID: S-11N-C036-0.2-0.7-REP
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment

Date Collected: 11/22/11 09:19
 Date Received: 11/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.4		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	37.4		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

SAMPLE RESULTS

Lab ID: L1119752-38

Client ID: S-11N-C037-0-0.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/22/11 09:43

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	12/07/11 10:30	30,2540G	KB
Solids, Total (Pre-Dried)	34.7		%	0.100	NA	1	-	11/30/11 10:03	30,2540G	KB



Lab Duplicate Analysis Batch Quality Control

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-02,04,06,08-13,15-16,18-19,21-24 QC Batch ID: WG506341-1 QC Sample: L1119752-01 Client ID: S-11N-C015-0-0.5						
Solids, Total	97.7	97.7	%	0		20
General Chemistry - Mansfield Lab Associated sample(s): 25,27,29-31,33,36-38 QC Batch ID: WG506561-1 QC Sample: L1119752-25 Client ID: S-11N-C030-0-0.5						
Solids, Total	96.8	97.2	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119752-01A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-02A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-03A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-04A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-05A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-06A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-07A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-08A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-09A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-10A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-11A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-12A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-13A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-14A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-15A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-16A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-17A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-18A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-19A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-20A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()

*Values in parentheses indicate holding time in days



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119752-21A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-22A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-23A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-24A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-25A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-25B	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-PCBCONG-8082-NOAA(14)
L1119752-26A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-27A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-28A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-29A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-30A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-31A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-32A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-STORAGE()
L1119752-33A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-34A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-35A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()
L1119752-36A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-37A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-38A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1119752-39A	Glass 250ml unpreserved	B	N/A	-3.8	Y	Absent	A2-STORAGE()

Container Comments

L1119752-01A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-02A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-03A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-04A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-05A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-06A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-07A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1119752

Report Date: 12/20/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1119752-08A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-09A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-10A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-11A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-12A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-13A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-14A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-15A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-16A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-17A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-18A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-19A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-20A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-21A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-22A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-23A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-24A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-25A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-25B	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-26A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-27A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-28A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-29A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-30A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-31A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-32A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-33A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11
L1119752-34A	SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1119752**Report Date:** 12/20/11**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
--------------	----------------	--------	----	---------------	------	------	-------------

Container Comments

L1119752-35A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-36A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-37A

L1119752-38A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

L1119752-39A SAMPLES REC'D FROZEN FROM CLIENT - INTO FREEZER PON RECEIPT 11/23/11

*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1**Lab Number:** L1119752**Project Number:** TO-0010-04**Report Date:** 12/20/11**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1119752
Report Date: 12/20/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park
B. Falmouth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.COM

Project Information

Project Name: New Bedford OU 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EDD + Data report

PLEASE NOTE *Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB-Cong (NCAA 15) PCB-Homologs										Sample Specific Comments	
		Date	Time														
1	S-11N-C015-0-0.5	11/17/11	15:06	SED	DRW	X	X									KQ19	1
2	S-11N-C015-0.5-1.0	↓	↓	↓	↓	X										KQ19	1
3	S-11N-C015-1.0-1.5	↓	↓	↓	↓	X										KQ19-Archive	1
4	S-11N-C016-0-0.5	11/17/11	13:56	SED	DRW	X	X									KW12A	1
5	S-11N-C016-0.5-1.0	↓	↓	↓	↓	X	X									KW12A-Archive	1
6	S-11N-C016-1.0-2.0	↓	↓	↓	↓	X										KW12A	1
7	S-11N-C016-2.0-3.0	↓	↓	↓	↓	X										KW12A-Archive	1
8	S-11N-C017-0-0.5	11/17/11	14:22	SED	DRW	X										KT15	1
9	S-11N-C017-0-0.5-REP	↓	↓	↓	↓	X										KT15-REP	1
10	S-11N-C018-0-0.5	11/17/11	09:33	SED	DRW	X										GG21	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
11/23/11 11:00
11/23/11 15:03

11/23/11 11:00
11/23/11 15:03

11/23/11 11:00
11/23/11 15:03

11/23/11 11:00
11/23/11 15:03

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 4WESTBORO, MA
TEL: 508-898-9220MANSFIELD, MA
TEL: 508-822-9300

FAX: 508-898-9193

FAX: 508-822-3288

Client Information

Client: Woods Hole Group IncAddress: 81 Technology Park
E. Falmouth, MA 02536Phone: 508-540-8080Fax: 508-540-1001Email: DWALSH@WHGRP.COM☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD + data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Project Information

Project Name: New Bedford CU 1Project Location: New Bedford, MAProject #: TO-0010-04Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

SAMPLE HANDLING

Filtration _____

☐ Done☐ Not needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS PCB - Long (NCA 18) PCB Homologs										Sample Specific Comments	
		Date	Time														
11	S-11N-CO19-0-0.5	11/17/11	09:58	SED	DRW	X										GF19	1
12	S-11N-CO20-0-0.5	11/17/11	10:19	SED	DRW	X	X									GD22	1
13	S-11N-CO21-0-0.5	11/17/11	10:35	SED	DRW	X										GE24	1
14	S-11N-CO21-0.5-1.0	11/17/11	10:35	SED	DRW	X										GE24 - Archive	1
15	S-11N-CO22-0-0.5	11/17/11	10:48	SED	DRW	X	X									GD28	1
16	S-11N-CO23-0-0.5	11/17/11	11:06	SED	DRW	X	X									KP4	1
17	S-11N-CO23-0.5-1.0	11/17/11	11:06	SED	DRW	X										KP4 - Archive	1
18	S-11N-CO24-0-0.5	11/17/11	11:57	SED	DRW	X										KU3	1
19	S-11N-CO25-0-0.5	11/17/11	12:07	SED	DRW	X										KU4	1
20	S-11N-CO25-0.5-1.0	11/17/11	12:07	SED	DRW	X										KU4 - Archive	1

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
V. C. M.11/23/11 1100
11/23/11 1503V. C. M.
J. Walsh11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 3 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: *New Bedford OU 1*Project Location: *New Bedford, MA*Project #: *TO-0010-04*Project Manager: *Dave Walsh*

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Client Information

Client: *Woods Hole Group Inc*Address: *81 Technology Park
E. Ralmouth, MA 02536*Phone: *508-540-1001* ←Fax: *508-540-8080* ←Email: *DWALSH@WHGRP.com*☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

*1 Project specific EDD + data report*PLEASE NOTE • Please Homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Date Rec'd in Lab:

ALPHA Job #: *L1119752*

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State *(Fed Program)*

Criteria

ANALYSIS										SAMPLE HANDLING		TOTAL # BOTTLES
PCB - Cong (NOAA)										Filtration _____ ☐ Done ☐ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)		
PCB Homologs										Sample Specific Comments		
X										KW 7	1	
X										KR 8	1	
X										KK 10	1	
X										KO 12	1	
X	X									KT 11	1	
X	X									KT 11, MSMSD	1	
X										KT 11 - Archive	1	
X										KY 15	1	
X										KY 15 - Archive	1	
X										KH 15	1	

Container Type

A A

Preservative

A A

Relinquished By:

Date/Time

Received By:

Date/Time

Dad [Signature]
Y. [Signature]
11/27/11 1100
11/27/11 1503
[Signature]
[Signature]
11/27/11 1100
11/27/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 4 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woods Hole Group Inc
Address: 81 Technology Park Dr
B. Ralmonth, MA 02536
Phone: 508-540-8080
Fax: 508-540-1001
Email: DWALSH@WHGRP.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: New Bedford OL 1
Project Location: New Bedford, MA
Project #: TO-0010-04
Project Manager: Dave Walsh
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State: (Fed Program) Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDP and data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	ANALYSIS	PCB Cong (NATA 18)	PCB Homologs	PCB Homologs	SAMPLE HANDLING	TOTAL # BOTTLES
30	S-11N-C033-0-0.5	11/17/11	14:54	SED	DRW	X				Filtration _____ ☐ Done ☐ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)	1
31	S-11N-C034-0-0.5	11/17/11	15:17	SED	DRW	X					1
32	S-11N-C034-0.5-1.0	11/17/11	15:17	SED	DRW	X					1
33	S-11N-C035-0-0.5	11/22/11	08:54	SED	DRW	X					1
34	S-11N-C035-0.8-1.3	11/22/11	08:59	SED	DRW	X					1
35	S-11N-C035-1.3-1.8	11/22/11	08:59	SED	DRW	X					1
36	S-11N-C036-0.2-0.7	11/22/11	09:19	SED	DRW	X	X				1
37	S-11N-C036-0.2-0.7-REP	11/22/11	09:19	SED	DRW	X	X				1
38	S-11N-C037-0-0.5	11/22/11	09:43	SED	DRW	X					1
39	S-11N-C037-1.0-1.5	11/22/11	09:43	SED	DRW	X					1

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Dave Walsh
Y. C. H.

11/23/11 1100
11/23/11 1503

Y. C. H.
[Signature]

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119752

Lab: Alpha Analytical

Date Sampled: 11/17/11 -11/22/11

Analysis: 18 NOAA PCB Congeners by GC/ECD

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

No. Samples

25 + 2FD

Matrix:

Sediment Cores

Data Element	Preservation	Surrogates	LCS/LCSD	MS/MSD	FD	MB	RL	Issues with	Other
Acceptable	& HT	%R 30-150%	%R 40-140% RPD ≤ 30%	%R 40-140% RPD ≤ 30%	RPD ≤ 30% SW RPD ≤ 50% SED	< RL or < 5x Conc. in sample	meets QAPP req. for matrix?	Qualifiers?	
Yes	✓	✓		NA		✓	✓	✓	NA
No			Estimated (J or UJ) 136 results		Estimate (J) 7 results in 2 FD pairs			All data qualified "D" by the lab since samples analyzed DF > 1	

Did the Laboratory Narrative contain any issues which may affect data quality? Yes; however, all issues were reported in the summary data.

Were the %solids acceptable (>30%)? Yes all > 96% solids after air-drying. Prior to air-drying, % solids were 29-49%.

The data package consisted of a laboratory narrative, data sheets for samples, Method Blanks (MB), laboratory control samples (LCS), Matrix Spike/Matrix Spike Duplicates (MS/MSD), and the executed chain-of-custody. Summary information for initial and continuing calibrations were not present nor were raw data for samples and quality control (QC) reported. This Tier I+ review assumed that initial calibrations and qualitative and quantitative determination of the 18 NOAA target Congeners were acceptable unless an issue was raised in the laboratory narrative. This review also assumed that the highest value for the two GC columns used was reported for the sample result, as required by the QAPP, unless noted by the laboratory.

Comments:

The post-dredge sediment cores were collected on November 17, 2011 and November 22, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. Samples were received frozen 11/23/11. COC seals were absent from coolers; however, these were hand delivered from the site to the lab. Twelve additional sediment core samples were received and Archived at the lab, as requested on the COC.

When samples were received they were frozen until 11/29/11 at which time %solids were performed. Based on the results of these analyses, all of the samples were air-dried for use in PCB Congener determination. Samples were frozen again after air-drying on 12/2/11 and then removed from frozen storage on 12/6/11 for extraction.

HT: Air-dried samples were extracted on 12/6/11 through 12/8/11 and extracts were analyzed by 12/16/11 - HT met - No action required.

Surrogates: All samples were analyzed at dilutions to report Congeners within accurate calibration range. Lab spiked surrogates at a higher level so that recoveries could be monitored. All surrogate recoveries were within criteria - No Action required.

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119752

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

Blank Action: Blanks Reviewed: Method Blanks: WG506372-1; WG506591-1 & WG506835-1

No EB associated with samples

Blank ID	Contaminant / Level	Matrix Related?	Action Level / Action	Sample and Reported Result	Corrected Result
WG506372-1	None	-	-	No Blank Action required	
WG506591-1	None	-	-	No Blank Action required	
WG506835-1	None	-	-	No Blank Action required	

LCS/LCSD: WG506372-2/-3 (associated with samples L1119752-01, -02, -04, -06, -08 to -13, -15, -16, -18, -19, and -21 to -24); WG506591-2/-3 (assoc. with L1119752-25, -27, -29 to -31, and -36 to -38) & WG506835-2/-3 (assoc. with L1119752-33). For WG506372-2/-3, %Rec for LCS & LCSD was within 40-140% and RPD between LCS/LCSD was ≤ 30% for all 18 NOAA Congeners except BZ#8, BZ#18, BZ#28, BZ#52, BZ#44, BZ#66, and BZ#101 LCS recoveries high which also caused RPD to be high. High LCS recovery only affects detected results but high RPD affects all associated results. For LCS/LCSD WG506591-2/-3, %Rec and RPDs all OK except BZ#28 LCSD high and for LCS/LCSD WG506835-2/-3, BZ#28 LCS high and RPDs high for BZ#18 & BZ#28.

**ACTION: 2,4'-Dichlorobiphenyl (BZ#8), 2,2',5-Trichlorobiphenyl (BZ#18), 2,4,4'-Trichlorobiphenyl (BZ#28), 2,2',3,5'-Tetrachlorobiphenyl (BZ#44), 2,2',5,5'-Tetrachlorobiphenyl (BZ#52), 2,3',4,4'-Tetrachlorobiphenyl (BZ#66), and 2,2',4,5,5'-Pentachlorobiphenyl (BZ#101) estimated (J or UJ) with indeterminate bias in samples S-11N-C015-0-0.5, S-11N-C015-0.5-1.0, S-11N-C016-0-0.5, S-11N-C016-1.0-2.0, S-11N-C017-0-0.5, S-11N-C017-0-0.5-REP, S-11N-C018-0-0.5, S-11N-C019-0-0.5, S-11N-C020-0-0.5, S-11N-C021-0-0.5, S-11N-C022-0-0.5, S-11N-C023-0-0.5, S-11N-C024-0-0.5, S-11N-C025-0-0.5, S-11N-C026-0-0.5, S-11N-C027-0-0.5, S-11N-C028-0-0.5, and S-11N-C029-0-0.5 with indeterminate bias due to high LCS recovery and/or LCS/LCSD imprecision; 2,4,4'-Trichlorobiphenyl (BZ#28) estimated (J) with possible high bias in samples S-11N-C030-0-0.5, S-11N-C031-0-0.5, S-11N-C032-0-0.5, S-11N-C033-0-0.5, S-11N-C034-0-0.5, S-11N-C036-0.2-0.7, S-11N-C036-0.2-0.7-REP, and S-11N-C037-0.2-0.5; and 2,2',5-Trichlorobiphenyl (BZ#18) estimated (J) with indeterminate bias in S-11N-C035-0-0.5 due to LCS/LCSD imprecision and 2,4,4'-Trichlorobiphenyl (BZ#28) estimated (J) due to high LCS and LCS/LCSD imprecision in this same sample.*

MS/MSD: MS/MSD was performed on samples S-11N-C015-0.5-1.0 and S-11N-C030-0-0.5; however, no MS/MSD results were reported for these QC samples due to the high concentration of Congeners in the unspiked samples which caused high dilutions for analysis (according to narrative).

FDs: S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP and S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP. A comparison of results in these FD pairs is shown below

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119752

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

Field Duplicate Evaluation_ Sample IDs:

Sample = S-11N-C017-0-0.5

FD = S-11N-C017-0-0.5-REP

Analyte Name	DF= 2000 RL (µg/Kg)	Sample µg/Kg	Q	Sample Result Level	FD µg/Kg	Q	FD Result Level	RPD	Action
2,4'-Dichlorobiphenyl	2680	17800	D	> 2 x RL	29800	D	> 2 x RL	50.4	None
2,2',5'-Trichlorobiphenyl	2680	24400	D	> 2 x RL	50100	D	> 2 x RL	69.0	J Both
2,4,4'-Trichlorobiphenyl	2680	33400	D	> 2 x RL	50300	D	> 2 x RL	40.4	None
2,2',3,5'-Tetrachlorobiphenyl	2680	10300	D	> 2 x RL	17000	D	> 2 x RL	49.1	None
2,2',5,5'-Tetrachlorobiphenyl	2680	32500	D	> 2 x RL	51900	D	> 2 x RL	46.0	None
2,3',4,4'-Tetrachlorobiphenyl	2680	8880	D	> 2 x RL	14100	D	> 2 x RL	45.4	None
2,2',4,5,5'-Pentachlorobiphenyl	2680	4820	D	>RL but < 2xRL	7380	D	> 2 x RL	42.0	None
2,3,3',4,4'-Pentachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,3',4,4',5-Pentachlorobiphenyl	2680	2680	DU	RL	3540	D	>RL but < 2xRL	NA	None
2,2',3,3',4,4'-Hexachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,2',3,4,4',5'-Hexachlorobiphenyl	2680	2680	DU	RL	3180	D	>RL but < 2xRL	NA	None
2,2',4,4',5,5'-Hexachlorobiphenyl	2680	2900	D	>RL but < 2xRL	4660	D	>RL but < 2xRL	46.6	None
2,2',3,3',4,4',5-Heptachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,2',3,4,4',5,5'-Heptachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,2',3,4',5,5',6-Heptachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,2',3,3',4,4',5,6-Octachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2680	2680	DU	RL	2700	DU	RL	NA	None
DecaCB - Homologue	2680	2680	DU	RL	2700	DU	RL	NA	None

FD precision acceptable for all 18 NOAA Congeners in FD pair S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP except for 2,2',5'-Trichlorobiphenyl (BZ#18) which reported RPD>50% for values > 2 x RL.

**ACTION: 2,2',5'-Trichlorobiphenyl (BZ#18) estimated (J) with indeterminate bias in samples S-11N-C017-0-0.5 & S-11N-C017-0-0.5-REP due to FD imprecision*

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1119752

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

Field Duplicate Evaluation_ Sample IDs:

Sample = S-11N-C036-0.2-0.7

FD = S-11N-C036-0.2-0.7-REP

Analyte Name	DF= 20000*		Sample µg/Kg	Q	Sample Result Level	FD		FD Result		RPD	Action
	RL (µg/Kg)					µg/Kg	Q	Level			
2,4'-Dichlorobiphenyl		27000			D	> 2 x RL	90200	D	> 2 x RL	86.6	J Both
2,2',5'-Trichlorobiphenyl		27000			D	> 2 x RL	120000	D	> 2 x RL	76.3	J Both
2,4,4'-Trichlorobiphenyl		27000			D	> 2 x RL	132000	D	> 2 x RL	81.6	J Both
2,2',3,5'-Tetrachlorobiphenyl		27000			D	> 2 x RL	33100	D	> 2 x RL	84.5	J Both
2,2',5,5'-Tetrachlorobiphenyl		27000			D	> 2 x RL	119000	D	> 2 x RL	62.8	J Both
2,3',4,4'-Tetrachlorobiphenyl		27000			D	> 2 x RL	24800	D	> 2 x RL	96.5	J Both
2,2',4,5,5'-Pentachlorobiphenyl		27000			D	>RL but < 2xRL	10600	D	>RL but < 2xRL	88.1	None**
2,3,3',4,4'-Pentachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,3',4,4',5-Pentachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,3',4,4'-Hexachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,4,4',5'-Hexachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',4,4',5,5'-Hexachlorobiphenyl		27000			DU	RL	6660	D	>RL but < 2xRL	NA	None
2,2',3,3',4,4',5-Heptachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,4,4',5,5'-Heptachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,4',5,5',6-Heptachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,3',4,4',5,6-Octachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl		27000			DU	RL	6630	DU	RL	NA	None
DecaCB - Homologue		27000			DU	RL	6630	DU	RL	NA	None

*FD DF = 5000 rather than 20000

** No action taken for RPD > 50% here since values reported were < 2 x RL

FD precision acceptable for all 18 NOAA Congeners in FD pair S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP except for 2,4-Dichlorobiphenyl (BZ#8), 2,2',5-Trichlorobiphenyl (BZ#18), 2,4,4'-Trichlorobiphenyl (BZ#28), 2,2',3,5'-Tetrachlorobiphenyl (BZ#44), 2,2',5,5'-Tetrachlorobiphenyl (BZ#52), and 2,3',4,4'-Tetrachlorobiphenyl (BZ#66) which reported RPD>50% for values > 2 x RL.

**ACTION: 2,4-Dichlorobiphenyl (BZ#8), 2,2',5-Trichlorobiphenyl (BZ#18), 2,4,4'-Trichlorobiphenyl (BZ#28), 2,2',3,5'-Tetrachlorobiphenyl (BZ#44), 2,2',5,5'-Tetrachlorobiphenyl (BZ#52), and 2,3',4,4'-Tetrachlorobiphenyl (BZ#66) estimated (J) with indeterminate bias in samples S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP due to FD imprecision*

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

All samples were analyzed at dilutions (DF = 10 to DF=20000) to report all congeners within the instrument calibration range. There were no secondary dilution analyses reported. For all samples the RLs were increased as a consequence of the dilutions made (RLs were 2-5300 times higher than 5 µg/Kg PQL given in QAPP Worksheet #15). However, the sum of all detected congener results in these diluted samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

Qualifiers : All data were reported with "D" qualifiers. As instructed by Battelle, these "D" qualifiers were not removed during the DV process. There were no "J" or "E" qualified data remaining after data acceptance of dilution analyses .

Narrative : the narrative did not raise any issues not already addressed.

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

ACTIONS:

Preservation: Cooled to $4 \pm 2^{\circ}\text{C}$. Sediments may be frozen for up to 1 year to preserve sample prior to extraction. If temperature outside criteria, use professional judgment.

HT: Extraction: waters -7d <HT< 14 d, J det/ J NDs; HT >14 d, J det/R ND

Extraction: sediment - 14d <HT< 28 d, J det/ J NDs; HT >28 d, J det/R ND (freezing arrests HT)

Analysis of extract: 40d < Extract HT < 60d, J det/ J NDs; Extract HT > 60d; J det/ R NDs

Surrogates: % Recovery > 150%, J det/Accept ND; $10\% \leq$ % Recovery < 30%, J det/J NDs; Recovery < 10%, J det/R NDs.

LCS/LCSD: %Rec<10%, J det/ R NDs; $10\% < \text{\%Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs. RPD > 30%, J det/UJ NDs.

MS/MSD: %Rec<10%, J det/ R NDs; $10\% < \text{\%Rec} < 40\%$, J det/ J NDs; %Rec >140%, J det/Accept NDs- Unspiked Sample only. RPD > 30%, J det/UJ NDs.

FD: RPD > 30% (waters) or 50% (sediment) for results > 2 x RL, J det/UJ NDs. Use professional judgment for values < 2 x RL.

MBs: If contamination in blank(s) exists, Blank Action Level (BAL)= 5 x Level in Blank (on a sample-equivalent basis). If a sample result is < RL and < BAL, negate (U) result at RL; if value > RL but < BAL, negate (U) result at level reported; if value > BAL, no Action.

RLs: Verify RLs are sample-specific and meet PQL given in QAPP Addendum 2009 UFP - Worksheet #15. If result > upper calibration range, J result; if result < lowest calibration standard, J result. Verify all J data reported properly, if applicable. Note any non-detects at values > PALs.

Other Data qualified J by lab stays as J; data qualified E by lab becomes J; data qualified U by lab stays U; data qualified P by lab becomes J; data qualified B becomes

Qualifiers: either U or J based on actions taken for Method Blank (MB)

% solids: $10\% < \text{\% solids} < 30\%$, J det/R ND; % solids < 10%, R detects and NDs.

Qualifiers: U = analyte is non-detect at the sample-specific Reporting Limit (RL) (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value; R = result is rejected due to severe QC exceedance and unusable for project objectives. Bias: L = Low; H = High; I = Indeterminate.

Reference: Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011) and Region I, EPA-NE Pesticide/PCB Data Validation Functional Guidelines - Part III, Draft February 2004

Laboratory Data were reported using BZ# only - the following table shows a cross reference of BZ# to Congener Name and CAS Number

Congener Name	BZ #	CAS Number
2,4'-Dichlorobiphenyl	BZ#8	34883-43-7
2,2',5'-Trichlorobiphenyl	BZ#18	37680-65-2
2,4,4'-Trichlorobiphenyl	BZ#28	7012-37-5
2,2',3,5'-Tetrachlorobiphenyl	BZ#44	41464-39-5
2,2',5,5'-Tetrachlorobiphenyl	BZ#52	35693-99-3
2,3',4,4'-Tetrachlorobiphenyl	BZ#66	32598-10-0
2,2',4,5,5'-Pentachlorobiphenyl	BZ#101	37680-73-2
2,3,3',4,4'-Pentachlorobiphenyl	BZ#105	32598-14-4
2,3',4,4',5-Pentachlorobiphenyl	BZ#118	31508-00-6

Congener Name	BZ #	CAS Number
2,2',3,3',4,4'-Hexachlorobiphenyl	BZ#128	38380-07-3
2,2',3,4,4',5'-Hexachlorobiphenyl	BZ#138	35065-28-2
2,2',4,4',5,5'-Hexachlorobiphenyl	BZ#153	35065-27-1
2,2',3,3',4,4',5-Heptachlorobiphenyl	BZ#170	35065-30-6
2,2',3,4,4',5,5'-Heptachlorobiphenyl	BZ#180	35065-29-3
2,2',3,4',5,5',6-Heptachlorobiphenyl	BZ#187	52663-68-0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	BZ#195	52663-78-2
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	BZ#206	40186-72-9
Decachlorobiphenyl	BZ#209	52663-77-1

Date: 2/10/12

Data Reviewer: Nancy C. Rothman, Ph.D.



Data Validation Report

EPA Region I Tier I+ NOAA Congeners by 8082

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1119752

Date(s) of Collection: November 17, 2011 and November 22, 2011

**Number / Type
Samples & Analyses** 27 post-dredge sediment core samples for 18 NOAA Congeners by EPA
SW-846 Method 8082

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: February 10, 2012

This EPA Region I Tier I+ validation for PCB Congeners and was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA*, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C015-0-0.5	L1119752-01	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C015-0.5-1.0	L1119752-02	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C016-0-0.5	L1119752-04	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C016-1.0-2.0	L1119752-06	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C017-0-0.5	L1119752-08	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C017-0-0.5-REP	L1119752-09	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Duplicate of S-11N-C017-0-0.5
S-11N-C018-0-0.5	L1119752-10	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C019-0-0.5	L1119752-11	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C020-0-0.5	L1119752-12	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C021-0-0.5	L1119752-13	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C022-0-0.5	L1119752-15	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Table 1. Sample Descriptions and Analytical Parameters Validated - continued

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C023-0-0.5	L1119752-16	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C024-0-0.5	L1119752-18	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C025-0-0.5	L1119752-19	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C026-0-0.5	L1119752-21	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C027-0-0.5	L1119752-22	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C028-0-0.5	L1119752-23	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C029-0-0.5	L1119752-24	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C030-0-0.5	L1119752-25	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample used for MS/MSD
S-11N-C031-0-0.5	L1119752-27	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C032-0-0.5	L1119752-29	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C033-0-0.5	L1119752-30	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C034-0-0.5	L1119752-31	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C035-0-0.5	L1119752-33	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C036-0.2-0.7	L1119752-36	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C036-0.2-0.7-REP	L1119752-37	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Duplicate of S-11N-C036-0.2-0.7
S-11N-C037-0-0.5	L1119752-38	11/22/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Analytical method references:

18 NOAA Congeners: *Polychlorinated Biphenyls (PCBs) by Gas Chromatography* in EPA's Test Methods for Evaluating Solid Waste, Physical Chemical Methods, SW-846, Third Edition, Method 8082, Rev. 1, February 2007.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of 18 NOAA PCB Congener sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria
- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*
- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of 18 NOAA PCB Congeners, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 17, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. The post-dredge sediment core samples were received intact frozen on November 23, 2011 and were maintained frozen at the laboratory until

November 29, 2011, at which time aliquots of the “as received” samples were analyzed for percent solids. All samples had percent solids content of 29 to 49%; therefore, these sediment core samples were air-dried, as required by the QAPP, prior to Congener analysis. The laboratory maintained the same Lab Sample ID for both the “as received” and “air-dried” sediment aliquots.

After air-drying, the percent solids content for all samples was greater than 96%. These air-dried samples were again frozen until extraction of the samples on December 6, 2011 through December 8, 2011. As a consequence of the freezing of the aliquots by WHG and Alpha, these samples were considered to have been extracted and analyzed within holding time.

Twelve additional sediment core samples were received and “Archived” at the laboratory, as requested on the COC.

Accuracy

The Method Blanks were non-detect for all Congeners; therefore, blank action to negate sample data was not required. There was no Equipment Blank required to be collected these core samples.

Based on the high levels of PCB Congeners observed in the previous SDG L1119291 for these post-dredge cores, the laboratory used a “high level” surrogate spike so the concentrations were appropriate for the expected sample concentrations (see QAPP 2011 for further discussion of surrogate spiking solution levels). Therefore, appropriate surrogate spike recoveries could be evaluated for accuracy in the sample matrix. All surrogate recoveries met acceptance criteria for the samples in this SDG.

Three sets of LCS/LCSDs were performed with the samples in this SDG. For all three, the recoveries for various Congeners were high compared to criteria resulting in estimation (J) of 131 results with possible high bias, unless other issues affected the results. Table 2 lists the samples and Congeners affected by LCS/LCSD accuracy and details are given in the DV Checklist. These results indicate variable laboratory accuracy for the method of analysis in the absence of the site matrix.

MS/MSD was performed on samples S-11N-C015-0.5-1.0 and S-11N-C030-0-0.5; however, no MS/MSD results were reported for these QC samples due to the high concentration of Congeners in the unspiked (native) samples, which required high dilutions for analysis (i.e., the spikes were diluted-out). No action was taken other than to note that MS/MSD recovery information was not obtained with this data set.

Precision

LCS/LCSD precision was unacceptable for 128 results, as listed in Table 2 and explained further in the DV Checklist. The affected results were estimated (J or UJ) with indeterminate bias. These results indicate variable laboratory precision for the method of analysis in the absence of the site matrix.

As stated above, MS/MSD precision could not be evaluated for this data set due to the high levels of Congeners in the unspiked samples S-11N-C015-0.5-1.0 and S-11N-C030-0-0.5.

There were two Field Duplicate pairs reported in this SDG: S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP and S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP. FD precision was acceptable for all 18 NOAA Congeners in the FD pair S-11N-C017-0-0.5 / S-11N-C017-0-0.5-REP except for 2,2',5-Trichlorobiphenyl (BZ#18), which reported unacceptable FD precision (RPD > 50%). Therefore, the

results for 2,2',5-Trichlorobiphenyl (BZ#18) in this FD pair were estimated (J) with indeterminate bias as listed in Table 2. FD precision was acceptable for all 18 NOAA Congeners in the FD pair of S-11N-C036-0.2-0.7 / S-11N-C036-0.2-0.7-REP except for 2,4-Dichlorobiphenyl (BZ#8), 2,2',5-Trichlorobiphenyl (BZ#18), 2,4,4'-Trichlorobiphenyl (BZ#28), 2,2',3,5'-Tetrachlorobiphenyl (BZ#44), 2,2',5,5'-Tetrachlorobiphenyl (BZ#52), and 2,3',4,4'-Tetrachlorobiphenyl (BZ#66). Therefore, the results for these six Congeners in this FD pair were estimated (J) due to FD imprecision with indeterminate bias as listed in Table 2. These FD results are an indication of variable precision and possible sample heterogeneity, which may have affected the results reported for the 18 NOAA PCB Congeners in these post dredge core samples.

Sensitivity & Reporting

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were 2 to over 5300 times higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	2,4'-Dichlorobiphenyl 2,2',5-Trichlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,3',4,4'-Tetrachlorobiphenyl	DJ	I	FD imprecision
S-11N-C036-0.2-0.7 S-11N-C036-0.2-0.7-REP	2,4,4'-Trichlorobiphenyl	DJ	I	High LCS recovery + FD imprecision
S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP	2,2',5-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision + FD imprecision
S-11N-C030-0-0.5 S-11N-C031-0-0.5 S-11N-C032-0-0.5 S-11N-C033-0-0.5 S-11N-C034-0-0.5 S-11N-C037-0-0.5	2,4,4'-Trichlorobiphenyl	DJ	H	High LCS recovery
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C016-1.0-2.0 S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP S-11N-C018-0-0.5 S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C022-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5 S-11N-C029-0-0.5	2,4'-Dichlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,3',4,4'-Tetrachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C017-0-0.5 S-11N-C017-0-0.5-REP S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5	2,2',4,5,5'-Pentachlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Table 2. Summary of Data Validation Actions - continued

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C015-0.5-1.0 S-11N-C015-0-0.5 S-11N-C016-0-0.5 S-11N-C016-1.0-2.0 S-11N-C018-0-0.5 S-11N-C019-0-0.5 S-11N-C020-0-0.5 S-11N-C021-0-0.5 S-11N-C022-0-0.5 S-11N-C023-0-0.5 S-11N-C024-0-0.5 S-11N-C025-0-0.5 S-11N-C026-0-0.5 S-11N-C027-0-0.5 S-11N-C028-0-0.5 S-11N-C029-0-0.5	2,2',5-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision
S-11N-C016-1.0-2.0 S-11N-C018-0-0.5 S-11N-C022-0-0.5 S-11N-C029-0-0.5	2,2',4,5,5'-Pentachlorobiphenyl	DUJ	I	LCS/LCSD imprecision
S-11N-C035-0-0.5	2,2',5-Trichlorobiphenyl	DJ	I	LCS/LCSD imprecision
S-11N-C035-0-0.5	2,4,4'-Trichlorobiphenyl	DJ	I	High LCS recovery + LCS/LCSD imprecision

Qualifiers: *U* = Analyte is non-detect at or above the sample-specific reporting limit (RL); *UJ* = Non-detect is estimated at the RL; *J* = Result is estimated; *EB* = analyte detected in associated equipment blank; *EMPC* = estimated maximum possible concentration (PCB congeners only); *R* = Result is rejected and is unusable for project decisions.

Bias: *L* = Low; *H* = High; *I* = Indeterminate

Abbreviations used in Table 2:

FD = Field Duplicate

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

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SAMP_ID	RECEIPT_DATE	PREP_METH	ANALYSIS_METH	LAB_QC_CODE	FRACTION	DILUTION	CAS
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	31508-00-6
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	37680-73-2
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-29-3
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	41464-39-5
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	32598-14-4
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	38380-07-3
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	CS-10386-84-2
S-11N-C015-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	2051-24-3
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	52663-68-0
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	40186-72-9
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	32598-10-0
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-27-1
S-11N-C015-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-30-6
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	52663-78-2
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	37680-65-2
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	7012-37-5
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35693-99-3
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	CS-68194-17-2
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	34883-43-7
S-11N-C015-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-28-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-28-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-78-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	7012-37-5
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-10386-84-2
S-11N-C015-0.5-1.0	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	40186-72-9
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-10-0
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-73-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-14-4
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	2051-24-3
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-27-1
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-29-3
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-68194-17-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-65-2
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-68-0
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35693-99-3
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	41464-39-5
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	31508-00-6
S-11N-C015-0.5-1.0	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	34883-43-7
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-30-6
S-11N-C015-0.5-1.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	38380-07-3
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3

S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C016-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C016-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C016-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C016-1.0-2.0	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-68-0
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-78-2
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-73-2
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35693-99-3
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	2051-24-3
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-14-4
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-68194-17-2
S-11N-C016-1.0-2.0	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	34883-43-7
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-65-2
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	31508-00-6
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-27-1
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-28-2
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	7012-37-5
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	38380-07-3
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-29-3
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	40186-72-9
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	41464-39-5
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-30-6
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-10-0
S-11N-C016-1.0-2.0	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-10386-84-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1

S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C017-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C017-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3
S-11N-C017-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3
S-11N-C017-0-0.5-REP	11/23/2011	NO_PREP	2540G	REP	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	CS-68194-17-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	38380-07-3
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	34883-43-7
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	40186-72-9
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	32598-10-0
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	52663-78-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	35693-99-3
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	2051-24-3
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	52663-68-0
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	CS-10386-84-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	31508-00-6
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	35065-29-3
S-11N-C017-0-0.5-REP	11/23/2011	NO_PREP	Percent Sol	REP	TOTAL	1	PCT_SOLIDS
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	35065-28-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	32598-14-4
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	41464-39-5
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	35065-27-1
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	37680-73-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	7012-37-5
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	37680-65-2
S-11N-C017-0-0.5-REP	11/23/2011	3540C	8082 Congeners	REPDL1	TOTAL	2000	35065-30-6
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-14-4
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-78-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35693-99-3
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-28-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-68-0

S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-27-1
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-65-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	31508-00-6
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-29-3
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	34883-43-7
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	41464-39-5
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-73-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-30-6
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	2051-24-3
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-10-0
S-11N-C018-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C018-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	40186-72-9
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	7012-37-5
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-10386-84-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-68194-17-2
S-11N-C018-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	38380-07-3
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-10-0
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	38380-07-3
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-14-4
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	40186-72-9
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	7012-37-5
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-68194-17-2
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-30-6
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	2051-24-3
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-29-3
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	34883-43-7
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-65-2
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-73-2
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-27-1
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-10386-84-2
S-11N-C019-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-78-2
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35693-99-3
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	41464-39-5
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	31508-00-6
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-28-2
S-11N-C019-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-68-0
S-11N-C019-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-73-2
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-28-2
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-30-6
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-78-2
S-11N-C020-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	34883-43-7
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	40186-72-9

S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	2051-24-3
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35693-99-3
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	41464-39-5
S-11N-C020-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-68-0
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	38380-07-3
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-29-3
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	7012-37-5
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-68194-17-2
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-65-2
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-10386-84-2
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-10-0
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-27-1
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-14-4
S-11N-C020-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	31508-00-6
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-14-4
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	38380-07-3
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35693-99-3
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-73-2
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-30-6
S-11N-C021-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	40186-72-9
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	2051-24-3
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	41464-39-5
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-10-0
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-10386-84-2
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-28-2
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-29-3
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	7012-37-5
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-27-1
S-11N-C021-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-65-2
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-68194-17-2
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	34883-43-7
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	31508-00-6
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-68-0
S-11N-C021-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-78-2
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-27-1
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-68-0
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	7012-37-5
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-65-2
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-29-3
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-10386-84-2
S-11N-C022-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-30-6
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35693-99-3

S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	41464-39-5
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	2051-24-3
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-28-2
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	38380-07-3
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-73-2
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	31508-00-6
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-14-4
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	40186-72-9
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-78-2
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-10-0
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-68194-17-2
S-11N-C022-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C022-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	34883-43-7
S-11N-C023-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-10386-84-2
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-30-6
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35693-99-3
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-68194-17-2
S-11N-C023-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	38380-07-3
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	2051-24-3
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	40186-72-9
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-65-2
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-78-2
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	7012-37-5
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-14-4
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	34883-43-7
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-28-2
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-27-1
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-29-3
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-10-0
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	31508-00-6
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	41464-39-5
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-73-2
S-11N-C023-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-68-0
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C024-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3

S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C024-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C024-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C025-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2
S-11N-C025-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C025-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C026-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5

S-11N-C026-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C026-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C027-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C027-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C027-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-73-2
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	41464-39-5
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	37680-65-2
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-29-3
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-30-6
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	34883-43-7
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	38380-07-3
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-78-2
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	2051-24-3
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	7012-37-5
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35693-99-3
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-10386-84-2
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	31508-00-6
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-14-4
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-28-2

S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	52663-68-0
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	40186-72-9
S-11N-C028-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C028-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	32598-10-0
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	35065-27-1
S-11N-C028-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	1000	CS-68194-17-2
S-11N-C029-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-27-1
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-65-2
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-68-0
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-29-3
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-30-6
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-10-0
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	40186-72-9
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	2051-24-3
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	38380-07-3
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	52663-78-2
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-10386-84-2
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35065-28-2
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	7012-37-5
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	CS-68194-17-2
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	31508-00-6
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	41464-39-5
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	37680-73-2
S-11N-C029-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	34883-43-7
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	32598-14-4
S-11N-C029-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	100	35693-99-3
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	7012-37-5
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	41464-39-5
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-78-2
S-11N-C030-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-14-4
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-73-2
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-27-1
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	38380-07-3
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	40186-72-9
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	31508-00-6
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	34883-43-7
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-29-3
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-68194-17-2
S-11N-C030-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-28-2
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35693-99-3
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	32598-10-0

S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	CS-10386-84-2
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	37680-65-2
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	52663-68-0
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	35065-30-6
S-11N-C030-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10000	2051-24-3
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C031-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C031-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C031-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	40186-72-9
S-11N-C032-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	37680-73-2
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	35065-27-1
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	52663-78-2
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	CS-10386-84-2
S-11N-C032-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	31508-00-6
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	35065-29-3
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	37680-65-2
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	32598-14-4
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	35693-99-3
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	38380-07-3
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	52663-68-0
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	35065-30-6
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	CS-68194-17-2
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	7012-37-5
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	32598-10-0
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	35065-28-2

S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	2051-24-3
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	34883-43-7
S-11N-C032-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	10	41464-39-5
S-11N-C033-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C033-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C033-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C034-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C034-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3

S-11N-C034-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C035-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2
S-11N-C035-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C035-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	7012-37-5
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	2051-24-3
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	CS-68194-17-2
S-11N-C036-0.2-0.7	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	31508-00-6
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-27-1
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	37680-73-2
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	CS-10386-84-2
S-11N-C036-0.2-0.7	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	32598-14-4
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-28-2
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-29-3
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35065-30-6
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	35693-99-3
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	41464-39-5
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	34883-43-7
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	38380-07-3
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	52663-78-2
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	52663-68-0
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	40186-72-9
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	37680-65-2
S-11N-C036-0.2-0.7	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	20000	32598-10-0
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-68194-17-2

S-11N-C036-0.2-0.7-RE	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35693-99-3
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	31508-00-6
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-65-2
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-10-0
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	CS-10386-84-2
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-30-6
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-78-2
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	41464-39-5
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	52663-68-0
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	40186-72-9
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	38380-07-3
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-27-1
S-11N-C036-0.2-0.7-RE	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-28-2
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	35065-29-3
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	32598-14-4
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	7012-37-5
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	34883-43-7
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	2051-24-3
S-11N-C036-0.2-0.7-RE	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	5000	37680-73-2
S-11N-C037-0-0.5	11/23/2011	NO_PREP	2540G	SA	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	31508-00-6
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	40186-72-9
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	7012-37-5
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-14-4
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-65-2
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-28-2
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	32598-10-0
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-27-1
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-10386-84-2
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-68-0
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-29-3
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35065-30-6
S-11N-C037-0-0.5	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL	1	PCT_SOLIDS
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	37680-73-2
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	CS-68194-17-2
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	2051-24-3
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	35693-99-3
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	41464-39-5
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	34883-43-7
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	38380-07-3
S-11N-C037-0-0.5	11/23/2011	3540C	8082 Congeners	SADL1	TOTAL	2000	52663-78-2
S-11N-C015-0-0.5-DUP	11/23/2011	NO_PREP	2540G	DUP	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-30-6
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	40186-72-9

	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	2051-24-3
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	41464-39-5
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-28-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-68194-17-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-65-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	34883-43-7
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-68-0
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-10-0
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-78-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-27-1
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-14-4
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-73-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	35693-99-3
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-10386-84-2
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-29-3
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	31508-00-6
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	38380-07-3
	12/6/2011	3540C	8082 Congeners	MB	TOTAL	1	7012-37-5
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-10386-84-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	40186-72-9
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	34883-43-7
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-28-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-30-6
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-10-0
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	7012-37-5
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-68-0
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-27-1
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-29-3
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-65-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	2051-24-3
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	41464-39-5
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-68194-17-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	38380-07-3
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-14-4
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-73-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-78-2
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	31508-00-6
	12/6/2011	3540C	8082 Congeners	LCS	TOTAL	1	35693-99-3
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	38380-07-3
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	34883-43-7
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	40186-72-9
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	31508-00-6
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-68-0
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-14-4
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-78-2
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-29-3

	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	2051-24-3
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-27-1
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	7012-37-5
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	41464-39-5
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-10386-84-2
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-73-2
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-30-6
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-10-0
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35693-99-3
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-65-2
	12/6/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-28-2
S-11N-C030-0-0.5-DUP	11/23/2011	NO_PREP	2540G	DUP	TOTAL	1	PCT_SOLIDS_CONG_AIRDRIED
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-10386-84-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-78-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-68-0
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-28-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-65-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-68194-17-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-10-0
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	2051-24-3
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-29-3
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-73-2
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-30-6
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	7012-37-5
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-14-4
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	35693-99-3
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-27-1
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	40186-72-9
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	38380-07-3
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	31508-00-6
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	41464-39-5
	12/7/2011	3540C	8082 Congeners	MB	TOTAL	1	34883-43-7
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	35693-99-3
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-10386-84-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-30-6
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-14-4
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-27-1
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	34883-43-7
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-73-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-68194-17-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	41464-39-5
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-65-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-78-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-29-3
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	7012-37-5

	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	40186-72-9
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	2051-24-3
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	38380-07-3
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-28-2
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-10-0
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	31508-00-6
	12/7/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-68-0
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-78-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-14-4
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-28-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-68-0
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-65-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-30-6
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-27-1
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-10-0
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-29-3
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-10386-84-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-73-2
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	40186-72-9
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	38380-07-3
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	2051-24-3
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	34883-43-7
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35693-99-3
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	41464-39-5
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	7012-37-5
	12/7/2011	3540C	8082 Congeners	LCSD	TOTAL	1	31508-00-6
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-28-2
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	40186-72-9
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-78-2
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-73-2
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	52663-68-0
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	41464-39-5
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	34883-43-7
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	2051-24-3
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-30-6
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-10-0
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	7012-37-5
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	37680-65-2
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-27-1
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	35065-29-3
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	38380-07-3
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	35693-99-3
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	32598-14-4
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-68194-17-2
	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	31508-00-6

	12/8/2011	3540C	8082 Congeners	MB	TOTAL	1	CS-10386-84-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-29-3
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-10386-84-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	7012-37-5
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-14-4
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	2051-24-3
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-30-6
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-27-1
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-68-0
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	34883-43-7
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-65-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	40186-72-9
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	35693-99-3
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	37680-73-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	38380-07-3
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	CS-68194-17-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	32598-10-0
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	31508-00-6
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	52663-78-2
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	41464-39-5
	12/8/2011	3540C	8082 Congeners	LCS	TOTAL	1	35065-28-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	41464-39-5
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	34883-43-7
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	40186-72-9
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-27-1
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-68-0
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-10386-84-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35693-99-3
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-73-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	31508-00-6
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	38380-07-3
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	2051-24-3
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	37680-65-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-10-0
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	7012-37-5
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-28-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	CS-68194-17-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-30-6
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	52663-78-2
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	32598-14-4
	12/8/2011	3540C	8082 Congeners	LCSD	TOTAL	1	35065-29-3

ANALYTE	VALUE	LAB_QUAL	DETECT_LIMIT	DETECT_LIMIT_CODE	UNIT	ANALYSIS_DATE	SDG
2,3',4,4',5-Pentacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2,4,5,5'-Pentacb	37700	D	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,5'-Tetracb	88900	D	26800	RL	UG/KG	12/14/2011	L1119752
2,3,3',4,4'-Pentacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4'-Hexacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
DBOB	90	D		RL	PCT_REC	12/14/2011	L1119752
Solids, Total	33.9		0.1	RL	PCT	11/30/2011	L1119752
Decacb - Congener	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',5,5',6-Heptacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,3',4,4'-Tetracb	75200	D	26800	RL	UG/KG	12/14/2011	L1119752
2,2',4,4',5,5'-Hexacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
Solids, Total	97.7		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4',5-Heptacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',5-Tricb	343000	D	26800	RL	UG/KG	12/14/2011	L1119752
2,4,4'-Tricb	316000	D	26800	RL	UG/KG	12/14/2011	L1119752
2,2',5,5'-Tetracb	235000	D	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	95	D		RL	PCT_REC	12/14/2011	L1119752
2,4'-Dicb	230000	D	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	26800	DU	26800	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	151000	D	13400	RL	UG/KG	12/15/2011	L1119752
DBOB	81	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	40.4		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	45400	D	13400	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	20800	D	13400	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	93	D		RL	PCT_REC	12/15/2011	L1119752
2,2',5-Tricb	157000	D	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	126000	D	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	52000	D	13400	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.4		0.1	RL	PCT	12/6/2011	L1119752
2,4'-Dicb	110000	D	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	13400	DU	13400	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752

2,3',4,4'-Tetracb	28000	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	87	D		RL	PCT_REC	12/15/2011	L1119752
2,3',4,4',5-Pentacb	6740	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	103000	D	6730	RL	UG/KG	12/15/2011	L1119752
Solids, Total	29.9		0.1	RL	PCT	11/30/2011	L1119752
2,3,3',4,4'-Pentacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	14900	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	8960	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
Solids, Total	97.7		0.1	RL	PCT	12/6/2011	L1119752
2,4'-Dicb	55100	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	31900	D	6730	RL	UG/KG	12/15/2011	L1119752
DBOB	100	D		RL	PCT_REC	12/15/2011	L1119752
2,2',5-Tricb	98300	D	6730	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6730	DU	6730	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	98200	D	6730	RL	UG/KG	12/15/2011	L1119752
Solids, Total	36.5		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,4',5,5',6-Heptacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	187000	D	13300	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	104	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	97.6		0.1	RL	PCT	12/6/2011	L1119752
2,4'-Dicb	80700	D	13300	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	157000	D	13300	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	143000	D	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	39300	D	13300	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	13300	DU	13300	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	27700	D	13300	RL	UG/KG	12/15/2011	L1119752
DBOB	103	D		RL	PCT_REC	12/15/2011	L1119752
2,2',5-Tricb	24400	D	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	2900	D	2680	RL	UG/KG	12/15/2011	L1119752

2,2',3,3',4,4',5,6-Octacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	8880	D	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	10300	D	2680	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	32500	D	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	4820	D	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,4'-Dicb	17800	D	2680	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.1		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4'-Hexacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
Solids, Total	38.8		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	102	D		RL	PCT_REC	12/15/2011	L1119752
DBOB	110	D		RL	PCT_REC	12/15/2011	L1119752
2,4,4'-Tricb	33400	D	2680	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2680	DU	2680	RL	UG/KG	12/15/2011	L1119752
Solids, Total	97.7		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	89	D		RL	PCT_REC	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,4'-Dicb	29800	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	14100	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	51900	D	2700	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
DBOB	98	D		RL	PCT_REC	12/15/2011	L1119752
2,3',4,4',5-Pentacb	3540	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
Solids, Total	31.3		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,4',4,5'-Hexacb	3180	D	2700	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	17000	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	4660	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	7380	D	2700	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	50300	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	50100	D	2700	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2700	DU	2700	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',5,5'-Tetracb	768	D	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',5,5',6-Heptacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752

2,2',4,4',5,5'-Hexacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',5-Tricb	527	D	132	RL	UG/KG	12/14/2011	L1119752
2,3',4,4',5-Pentacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,4'-Dicb	235	D	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,5'-Tetracb	222	D	132	RL	UG/KG	12/14/2011	L1119752
2,2,4,5,5'-Pentacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5-Heptacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
Decacb - Congener	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,3',4,4'-Tetracb	185	D	132	RL	UG/KG	12/14/2011	L1119752
Solids, Total	99.2		0.1	RL	PCT	12/6/2011	L1119752
Solids, Total	42.2		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,4,4'-Tricb	632	D	132	RL	UG/KG	12/14/2011	L1119752
DBOB	119	D		RL	PCT_REC	12/14/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	98	D		RL	PCT_REC	12/14/2011	L1119752
2,2',3,3',4,4'-Hexacb	132	DU	132	RL	UG/KG	12/14/2011	L1119752
2,3',4,4'-Tetracb	217	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,3,3',4,4'-Pentacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,4,4'-Tricb	836	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	97	D		RL	PCT_REC	12/14/2011	L1119752
2,2',3,3',4,4',5-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
Decacb - Congener	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,4'-Dicb	276	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',5-Tricb	635	D	133	RL	UG/KG	12/14/2011	L1119752
2,2,4,5,5'-Pentacb	137	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',4,4',5,5'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
DBOB	111	D		RL	PCT_REC	12/14/2011	L1119752
Solids, Total	98.8		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',5,5'-Tetracb	957	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,5'-Tetracb	257	D	133	RL	UG/KG	12/14/2011	L1119752
2,3',4,4',5-Pentacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',5,5',6-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
Solids, Total	46.7		0.1	RL	PCT	11/30/2011	L1119752
2,2,4,5,5'-Pentacb	1750	D	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
Solids, Total	36.8		0.1	RL	PCT	11/30/2011	L1119752
2,4'-Dicb	5510	D	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752

Decacb - Congener	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	14100	D	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	3350	D	1330	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.4		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	12300	D	1330	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	99	D		RL	PCT_REC	12/15/2011	L1119752
2,2',5-Tricb	10100	D	1330	RL	UG/KG	12/15/2011	L1119752
DBOB	119	D		RL	PCT_REC	12/15/2011	L1119752
2,3',4,4'-Tetracb	2710	D	1330	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	1530	D	1330	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	1330	DU	1330	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	21800	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	2520	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.1		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	4980	D	1340	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	4140	D	1340	RL	UG/KG	12/15/2011	L1119752
DBOB	103	D		RL	PCT_REC	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	1340	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	16000	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	2240	D	1340	RL	UG/KG	12/15/2011	L1119752
Solids, Total	34.5		0.1	RL	PCT	11/30/2011	L1119752
2,2',5-Tricb	9970	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	90	D		RL	PCT_REC	12/15/2011	L1119752
2,4'-Dicb	6690	D	1340	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	1460	D	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1340	DU	1340	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	5030	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	5990	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
DBOB	85	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	98.8		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	8030	D	1320	RL	UG/KG	12/15/2011	L1119752

2,2',3,5'-Tetracb	1390	D	1320	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	1330	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	83	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	46.1		0.1	RL	PCT	11/30/2011	L1119752
2,4'-Dicb	2980	D	1320	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.2		0.1	RL	PCT	12/6/2011	L1119752
DBOB	89	D		RL	PCT_REC	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	159000	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	90	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	33.9		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,3',4,4'-Hexacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	45100	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	42300	D	13200	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,4'-Dicb	19900	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	40300	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	63600	D	13200	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	46500	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	41600	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	55400	D	13200	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	13200	DU	13200	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	2930	D	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,4'-Dicb	11400	D	2650	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	21600	D	2650	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	3720	D	2650	RL	UG/KG	12/15/2011	L1119752
DBOB	98	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	98.9		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752

2,2',3,3',4,4',5-Heptacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	7610	D	2650	RL	UG/KG	12/15/2011	L1119752
Solids, Total	41		0.1	RL	PCT	11/30/2011	L1119752
2,3',4,4',5-Pentacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	17300	D	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	28300	D	2650	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	6770	D	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2650	DU	2650	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	94	D		RL	PCT_REC	12/15/2011	L1119752
2,3',4,4'-Tetracb	16700	D	6640	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	66300	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	21600	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
DBOB	91	D		RL	PCT_REC	12/15/2011	L1119752
2,4'-Dicb	37200	D	6640	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
Solids, Total	98.4		0.1	RL	PCT	12/6/2011	L1119752
2,3,3',4,4'-Pentacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	78800	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	8290	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	95	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	35.3		0.1	RL	PCT	11/30/2011	L1119752
2,2',5-Tricb	72400	D	6640	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
Solids, Total	34		0.1	RL	PCT	11/30/2011	L1119752
2,3,3',4,4'-Pentacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	93	D		RL	PCT_REC	12/15/2011	L1119752
2,4'-Dicb	43100	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	84600	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	19000	D	6640	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	78100	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	22400	D	6640	RL	UG/KG	12/15/2011	L1119752

Solids, Total	98		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4'-Hexacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
DBOB	88	D		RL	PCT_REC	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	86000	D	6640	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	6640	DU	6640	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	6840	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	10000	D	6640	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	112000	D	6680	RL	UG/KG	12/15/2011	L1119752
DBOB	97	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	33.9		0.1	RL	PCT	11/30/2011	L1119752
2,4'-Dicb	47000	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,3',4,4',5-Pentacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	8550	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	105	D		RL	PCT_REC	12/15/2011	L1119752
Decacb - Congener	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,3',4,4'-Tetracb	21700	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	10500	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
Solids, Total	97.9		0.1	RL	PCT	12/6/2011	L1119752
2,4,4'-Tricb	85900	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	27600	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	85200	D	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	6680	DU	6680	RL	UG/KG	12/15/2011	L1119752
2,2,4,5,5'-Pentacb	2370	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,5'-Tetracb	3980	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',5-Tricb	7410	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,4'-Dicb	5280	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4'-Hexacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
Decacb - Congener	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,4,4'-Tricb	9840	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',5,5'-Tetracb	12500	D	1320	RL	UG/KG	12/15/2011	L1119752
DBOB	109	D		RL	PCT_REC	12/15/2011	L1119752
2,3',4,4',5-Pentacb	1680	D	1320	RL	UG/KG	12/15/2011	L1119752
2,3,3',4,4'-Pentacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,4',4,5'-Hexacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752

2,2',3,4',5,5',6-Heptacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1320	DU	1320	RL	UG/KG	12/15/2011	L1119752
Solids, Total	99.2		0.1	RL	PCT	12/6/2011	L1119752
Solids, Total	49.2		0.1	RL	PCT	11/30/2011	L1119752
2,3',4,4'-Tetracb	3850	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',4,4',5,5'-Hexacb	1680	D	1320	RL	UG/KG	12/15/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	94	D		RL	PCT_REC	12/15/2011	L1119752
Solids, Total	98.8		0.1	RL	PCT	12/6/2011	L1119752
2,2',4,4',5,5'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',5-Tricb	771	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',5,5',6-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5-Heptacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,3',4,4'-Tetracb	150	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
Decacb - Congener	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
DBOB	89	D		RL	PCT_REC	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,4,4'-Tricb	653	D	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	80	D		RL	PCT_REC	12/14/2011	L1119752
2,3',4,4',5-Pentacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',3,5'-Tetracb	189	D	133	RL	UG/KG	12/14/2011	L1119752
2,2,4,5,5'-Pentacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
Solids, Total	44.3		0.1	RL	PCT	11/30/2011	L1119752
2,4'-Dicb	437	D	133	RL	UG/KG	12/14/2011	L1119752
2,3,3',4,4'-Pentacb	133	DU	133	RL	UG/KG	12/14/2011	L1119752
2,2',5,5'-Tetracb	792	D	133	RL	UG/KG	12/14/2011	L1119752
2,4,4'-Tricb	132000	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	46000	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
Solids, Total	34.7		0.1	RL	PCT	11/30/2011	L1119752
2,3,3',4,4'-Pentacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	26400	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	16200	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	86800	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	82	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	96.8		0.1	RL	PCT	12/7/2011	L1119752
2,2',3,4',4,5'-Hexacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	154000	D	13500	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	44300	D	13500	RL	UG/KG	12/16/2011	L1119752

DBOB	88	D		RL	PCT_REC	12/16/2011	L1119752
2,2',5-Tricb	149000	D	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	13500	DU	13500	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
Solids, Total	97.4		0.1	RL	PCT	12/7/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	35400	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	3580	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	11600	D	2690	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	14200	D	2690	RL	UG/KG	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	38400	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	5220	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	85	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	31.6		0.1	RL	PCT	11/30/2011	L1119752
DBOB	83	D		RL	PCT_REC	12/16/2011	L1119752
2,2',5-Tricb	27600	D	2690	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	9980	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
Solids, Total	97.9		0.1	RL	PCT	12/7/2011	L1119752
2,2,4,5,5'-Pentacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',4,4',5,5'-Hexacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
DBOB	119	D		RL	PCT_REC	12/14/2011	L1119752
Solids, Total	39.5		0.1	RL	PCT	11/30/2011	L1119752
2,3',4,4',5-Pentacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',5-Tricb	65.8	D	13.2	RL	UG/KG	12/14/2011	L1119752
2,3,3',4,4'-Pentacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',5,5'-Tetracb	93	D	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4'-Hexacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',5,5',6-Heptacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,4',5-Heptacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	101	D		RL	PCT_REC	12/14/2011	L1119752
2,4,4'-Tricb	60.1	D	13.2	RL	UG/KG	12/14/2011	L1119752
2,3',4,4'-Tetracb	17	D	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,4',4,5'-Hexacb	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752

Decacb - Congener	13.2	DU	13.2	RL	UG/KG	12/14/2011	L1119752
2,4'-Dicb	48.4	D	13.2	RL	UG/KG	12/14/2011	L1119752
2,2',3,5'-Tetracb	20.1	D	13.2	RL	UG/KG	12/14/2011	L1119752
Solids, Total	98.2		0.1	RL	PCT	12/7/2011	L1119752
2,3',4,4'-Tetracb	11000	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	27100	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	34000	D	2690	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	4490	D	2690	RL	UG/KG	12/16/2011	L1119752
DBOB	84	D		RL	PCT_REC	12/16/2011	L1119752
2,2',5-Tricb	19700	D	2690	RL	UG/KG	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	4980	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	95	D		RL	PCT_REC	12/16/2011	L1119752
Decacb - Congener	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	11900	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	7160	D	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
Solids, Total	39.1		0.1	RL	PCT	11/30/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2690	DU	2690	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	13700	D	2690	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	10800	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	99	D		RL	PCT_REC	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	52700	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	4670	D	2700	RL	UG/KG	12/16/2011	L1119752
DBOB	88	D		RL	PCT_REC	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	14800	D	2700	RL	UG/KG	12/16/2011	L1119752
Solids, Total	97.5		0.1	RL	PCT	12/7/2011	L1119752
2,4'-Dicb	25000	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	50500	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
Solids, Total	32.2		0.1	RL	PCT	11/30/2011	L1119752
2,2',5-Tricb	34000	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	2700	DU	2700	RL	UG/KG	12/16/2011	L1119752

2,2',4,4',5,5'-Hexacb	3450	D	2700	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	109000	D	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',5-Tricb	114000	D	6770	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	94900	D	6770	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	23600	D	6770	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	8660	D	6770	RL	UG/KG	12/16/2011	L1119752
DBOB	100	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	97.5		0.1	RL	PCT	12/7/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	14000	D	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	109	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	38		0.1	RL	PCT	11/30/2011	L1119752
2,4'-Dicb	66000	D	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6770	DU	6770	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	35000	D	6770	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	314000	D	27000	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	91	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	38		0.1	RL	PCT	11/30/2011	L1119752
2,3',4,4',5-Pentacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	27300	D	27000	RL	UG/KG	12/16/2011	L1119752
DBOB	88	D		RL	PCT_REC	12/16/2011	L1119752
Solids, Total	97.9		0.1	RL	PCT	12/7/2011	L1119752
2,3,3',4,4'-Pentacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	228000	D	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	81500	D	27000	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	228000	D	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	27000	DU	27000	RL	UG/KG	12/16/2011	L1119752
2,2',5-Tricb	268000	D	27000	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	71000	D	27000	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	107	D		RL	PCT_REC	12/16/2011	L1119752

Solids, Total	37.4		0.1	RL	PCT	11/30/2011	L1119752
2,2',5,5'-Tetracb	119000	D	6630	RL	UG/KG	12/16/2011	L1119752
2,3',4,4',5-Pentacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',5-Tricb	120000	D	6630	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	24800	D	6630	RL	UG/KG	12/16/2011	L1119752
DBOB	99	D		RL	PCT_REC	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	33100	D	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	6660	D	6630	RL	UG/KG	12/16/2011	L1119752
Solids, Total	98.4		0.1	RL	PCT	12/7/2011	L1119752
2,2',3,4',4,5'-Hexacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	132000	D	6630	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	90200	D	6630	RL	UG/KG	12/16/2011	L1119752
Decacb - Congener	6630	DU	6630	RL	UG/KG	12/16/2011	L1119752
2,2,4,5,5'-Pentacb	10600	D	6630	RL	UG/KG	12/16/2011	L1119752
Solids, Total	98.2		0.1	RL	PCT	12/7/2011	L1119752
2,3',4,4',5-Pentacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,4,4'-Tricb	33500	D	2660	RL	UG/KG	12/16/2011	L1119752
2,3,3',4,4'-Pentacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',5-Tricb	28100	D	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,4',4,5'-Hexacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,3',4,4'-Tetracb	7460	D	2660	RL	UG/KG	12/16/2011	L1119752
2,2',4,4',5,5'-Hexacb	2720	D	2660	RL	UG/KG	12/16/2011	L1119752
DBOB	97	D		RL	PCT_REC	12/16/2011	L1119752
2,2',3,4',5,5',6-Heptacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5-Heptacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
Solids, Total	34.7		0.1	RL	PCT	11/30/2011	L1119752
2,2,4,5,5'-Pentacb	3500	D	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	97	D		RL	PCT_REC	12/16/2011	L1119752
Decacb - Congener	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',5,5'-Tetracb	39100	D	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,5'-Tetracb	9900	D	2660	RL	UG/KG	12/16/2011	L1119752
2,4'-Dicb	20400	D	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4'-Hexacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	2660	DU	2660	RL	UG/KG	12/16/2011	L1119752
Solids, Total	97.7		0.1	RL	PCT	12/6/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752

Decacb - Congener	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	102			RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4'-Dicb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3',4,4'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
DBOB	85			RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3',4,4',5-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4,4'-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
DBOB	91			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	96		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	324		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	102		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	170		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	441		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	110		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	100		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	393		1.33	RL	PCT_REC	12/13/2011	L1119752
Decacb - Congener	87		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	169		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	97			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	88		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	80		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	152		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	87		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	116		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5,5'-Tetracb	342		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	87		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	97		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	90		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	91		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	83		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	85		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752

Decacb - Congener	88		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	81		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	105		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	88		1.33	RL	PCT_REC	12/13/2011	L1119752
DBOB	90			RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	90		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	89		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	98			RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	88		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5,5'-Tetracb	98		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	116		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	89		1.33	RL	PCT_REC	12/13/2011	L1119752
Solids, Total	97.2		0.1	RL	PCT	12/7/2011	L1119752
DBOB	71			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	91			RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
Decacb - Congener	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4,4'-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3',4,4',5-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4'-Dicb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5,5'-Tetracb	105		1.33	RL	PCT_REC	12/13/2011	L1119752
DBOB	79			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	99		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	90		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	86		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	106		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	91		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	94			RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	92		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	124		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	104		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	121		1.33	RL	PCT_REC	12/13/2011	L1119752

2,2',3,3',4,4',5,5',6-Nonacb	105		1.33	RL	PCT_REC	12/13/2011	L1119752
Decacb - Congener	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	96		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	97		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	91		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	98		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	97		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	91		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	82		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	96		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	136		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	95		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	87		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	98		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
DBOB	77			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	99			RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	97		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	92		1.33	RL	PCT_REC	12/13/2011	L1119752
Decacb - Congener	89		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	110		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5,5'-Tetracb	127		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	97		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	150		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	96		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4'-Dicb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
Decacb - Congener	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3',4,4'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,4,4'-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5-Tricb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',5,5'-Tetracb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	95			RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	1.33	U	1.33	RL	UG/KG	12/13/2011	L1119752

DBOB	77			RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	109		1.33	RL	PCT_REC	12/13/2011	L1119752
DBOB	80			RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	148		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
Decacb - Congener	98		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	103		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	92		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	100		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	127		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	109		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5,5'-Tetracb	127		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	100		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	98			RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	98		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	108		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	100		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	102		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,5'-Tetracb	85		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4'-Dicb	80		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,5',6-Nonacb	93		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',4,4',5,5'-Hexacb	75		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',5,5',6-Heptacb	86		1.33	RL	PCT_REC	12/13/2011	L1119752
DBOB	73			RL	PCT_REC	12/13/2011	L1119752
2,2',5,5'-Tetracb	101		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2,4,5,5'-Pentacb	84		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4',5-Pentacb	86		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4'-Hexacb	85		1.33	RL	PCT_REC	12/13/2011	L1119752
Decacb - Congener	85		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',5-Tricb	90		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3',4,4'-Tetracb	83		1.33	RL	PCT_REC	12/13/2011	L1119752
2,4,4'-Tricb	94		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4',4,5'-Hexacb	86		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,5,5',6-Octachlorobiphenyl	89			RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5-Heptacb	87		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,3',4,4',5,6-Octacb	83		1.33	RL	PCT_REC	12/13/2011	L1119752
2,3,3',4,4'-Pentacb	80		1.33	RL	PCT_REC	12/13/2011	L1119752
2,2',3,4,4',5,5'-Heptacb	90		1.33	RL	PCT_REC	12/13/2011	L1119752

LAB_SAMP_ID	LAB	SAMP_PREP_DATE	SAMP_WGT_VOL	SAMP_WGT_VOL_UNIT	EMPC	REPORT_YN	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		N	
L1119752-01	AAL		5	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL		5	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		N	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-01	AAL	12/6/2011	30.51	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		N	
L1119752-02	AAL		5	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		N	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL		5	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-02	AAL	12/6/2011	30.43	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	

L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		N	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL		5	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL		5	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		N	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-04	AAL	12/6/2011	30.42	G		Y	
L1119752-06	AAL		5	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		N	
L1119752-06	AAL		5	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		Y	
L1119752-06	AAL	12/6/2011	30.78	G		N	
L1119752-08	AAL	12/6/2011	30.44	G		Y	
L1119752-08	AAL	12/6/2011	30.44	G		Y	
L1119752-08	AAL	12/6/2011	30.44	G		Y	

[illegible]

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L1119752-23	AAL	12/6/2011	30.49	G		Y	
L1119752-23	AAL	12/6/2011	30.49	G		Y	
L1119752-23	AAL		5	G		Y	
L1119752-23	AAL		5	G		Y	
L1119752-23	AAL	12/6/2011	30.49	G		Y	
L1119752-23	AAL	12/6/2011	30.49	G		Y	
L1119752-23	AAL	12/6/2011	30.49	G		N	
L1119752-24	AAL		5	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		N	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		N	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL		5	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-24	AAL	12/6/2011	30.42	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL		5	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		N	
L1119752-25	AAL		5	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	
L1119752-25	AAL	12/7/2011	30.68	G		Y	

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L1119752-37	AAL		5	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		N	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL		5	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-37	AAL	12/7/2011	30.65	G		Y	
L1119752-38	AAL		5	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		N	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL		5	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		N	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
L1119752-38	AAL	12/7/2011	30.62	G		Y	
WG506341-1	AAL		5	G		N	
WG506372-1	AAL	12/6/2011	30	G		N	
WG506372-1	AAL	12/6/2011	30	G		N	

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SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
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ANALYSIS_DATE	DILUTION	SYNONYMS	PARAM_CODE	db_val	DESCRIPTION	RESULT	LAB_QUAL
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.4	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	40.4	
15-Dec-11	10000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	110000	D
15-Dec-11	10000	BZ 18	37680-65-2		2,2',5'-Trichlorobiphenyl	157000	D
15-Dec-11	10000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	151000	D
15-Dec-11	10000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	52000	D
15-Dec-11	10000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	126000	D
15-Dec-11	10000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	45400	D
15-Dec-11	10000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	20800	D
15-Dec-11	10000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 118	31508-00-6		2,3',4,4',5'-Pentachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 170	35065-30-6		2,2',3,3',4,4',5'-Heptachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 187	52663-68-0		2,2',3,4',5,5',6'-Heptachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6'-Octachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	13400	DU
15-Dec-11	10000	BZ 209	2051-24-3		DecaCB - Homologue	13400	DU
15-Dec-11	10000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6'-Octacb (Obsolete)	93	D
15-Dec-11	10000		CS-10386-84-2		Dbob	81	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.7	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	33.9	
14-Dec-11	20000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	230000	D
14-Dec-11	20000	BZ 18	37680-65-2		2,2',5'-Trichlorobiphenyl	343000	D
14-Dec-11	20000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	316000	D
14-Dec-11	20000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	88900	D
14-Dec-11	20000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	235000	D
14-Dec-11	20000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	75200	D
14-Dec-11	20000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	37700	D
14-Dec-11	20000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 118	31508-00-6		2,3',4,4',5'-Pentachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 170	35065-30-6		2,2',3,3',4,4',5'-Heptachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 187	52663-68-0		2,2',3,4',5,5',6'-Heptachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6'-Octachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	26800	DU
14-Dec-11	20000	BZ 209	2051-24-3		DecaCB - Homologue	26800	DU
14-Dec-11	20000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6'-Octacb (Obsolete)	95	D
14-Dec-11	20000		CS-10386-84-2		Dbob	90	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.7	

06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED	db val	Percent Solids – Air-Dried-Congeners	97.7	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	29.9	
15-Dec-11	5000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	55100	D
15-Dec-11	5000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	98300	D
15-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	98200	D
15-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	31900	D
15-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	103000	D
15-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	28000	D
15-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	14900	D
15-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6740	D
15-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	8960	D
15-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6730	DU
15-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6730	DU
15-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	87	D
15-Dec-11	5000		CS-10386-84-2		Dbob	100	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.6	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	36.5	
15-Dec-11	10000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	80700	D
15-Dec-11	10000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	157000	D
15-Dec-11	10000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	143000	D
15-Dec-11	10000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	39300	D
15-Dec-11	10000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	187000	D
15-Dec-11	10000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	27700	D
15-Dec-11	10000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	13300	DU
15-Dec-11	10000	BZ 209	2051-24-3		DecaCB - Homologue	13300	DU
15-Dec-11	10000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	104	D
15-Dec-11	10000		CS-10386-84-2		Dbob	103	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.1	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	38.8	

15-Dec-11	2000	BZ 8	34883-43-7	db val	2,4'-Dichlorobiphenyl	17800	D
15-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	24400	D
15-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	33400	D
15-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	10300	D
15-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	32500	D
15-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	8880	D
15-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	4820	D
15-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	2900	D
15-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2680	DU
15-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2680	DU
15-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	102	D
15-Dec-11	2000		CS-10386-84-2		Dbob	110	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.7	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	31.3	
15-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	29800	D
15-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	50100	D
15-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	50300	D
15-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	17000	D
15-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	51900	D
15-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	14100	D
15-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	7380	D
15-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	3540	D
15-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	3180	D
15-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	4660	D
15-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2700	DU
15-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2700	DU
15-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	89	D
15-Dec-11	2000		CS-10386-84-2		Dbob	98	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	99.2	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	42.2	
14-Dec-11	100	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	235	D
14-Dec-11	100	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	527	D

14-Dec-11	100	BZ 28	7012-37-5	db val	2,4,4'-Trichlorobiphenyl	632	D
14-Dec-11	100	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	222	D
14-Dec-11	100	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	768	D
14-Dec-11	100	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	185	D
14-Dec-11	100	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	132	DU
14-Dec-11	100	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	132	DU
14-Dec-11	100	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	132	DU
14-Dec-11	100	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	132	DU
14-Dec-11	100	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	132	DU
14-Dec-11	100	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	132	DU
14-Dec-11	100	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	132	DU
14-Dec-11	100	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	132	DU
14-Dec-11	100	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	132	DU
14-Dec-11	100	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	132	DU
14-Dec-11	100	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	132	DU
14-Dec-11	100	BZ 209	2051-24-3		DecaCB - Homologue	132	DU
14-Dec-11	100	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	98	D
14-Dec-11	100		CS-10386-84-2		Dbob	119	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.8	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	46.7	
14-Dec-11	100	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	276	D
14-Dec-11	100	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	635	D
14-Dec-11	100	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	836	D
14-Dec-11	100	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	257	D
14-Dec-11	100	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	957	D
14-Dec-11	100	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	217	D
14-Dec-11	100	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	137	D
14-Dec-11	100	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	133	DU
14-Dec-11	100	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	133	DU
14-Dec-11	100	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	133	DU
14-Dec-11	100	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	133	DU
14-Dec-11	100	BZ 209	2051-24-3		DecaCB - Homologue	133	DU
14-Dec-11	100	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	97	D
14-Dec-11	100		CS-10386-84-2		Dbob	111	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.4	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	36.8	
15-Dec-11	1000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	5510	D
15-Dec-11	1000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	10100	D
15-Dec-11	1000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	12300	D
15-Dec-11	1000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	3350	D

15-Dec-11	1000	BZ 52	35693-99-3	db val	2,2',5,5'-Tetrachlorobiphenyl	14100	D
15-Dec-11	1000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	2710	D
15-Dec-11	1000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	1750	D
15-Dec-11	1000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	1530	D
15-Dec-11	1000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1330	DU
15-Dec-11	1000	BZ 209	2051-24-3		DecaCB - Homologue	1330	DU
15-Dec-11	1000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	99	D
15-Dec-11	1000		CS-10386-84-2		Dbob	119	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.1	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	34.5	
15-Dec-11	1000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	6690	D
15-Dec-11	1000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	9970	D
15-Dec-11	1000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	16000	D
15-Dec-11	1000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	4980	D
15-Dec-11	1000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	21800	D
15-Dec-11	1000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	4140	D
15-Dec-11	1000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	2520	D
15-Dec-11	1000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1460	D
15-Dec-11	1000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1340	D
15-Dec-11	1000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	2240	D
15-Dec-11	1000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1340	DU
15-Dec-11	1000	BZ 209	2051-24-3		DecaCB - Homologue	1340	DU
15-Dec-11	1000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	90	D
15-Dec-11	1000		CS-10386-84-2		Dbob	103	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.8	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	46.1	
15-Dec-11	1000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	2980	D
15-Dec-11	1000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	5990	D
15-Dec-11	1000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	5030	D
15-Dec-11	1000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	1390	D
15-Dec-11	1000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	8030	D
15-Dec-11	1000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	1330	D

15-Dec-11	1000	BZ 101	37680-73-2	db val	2,2',4,5,5'-Pentachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 209	2051-24-3		DecaCB - Homologue	1320	DU
15-Dec-11	1000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	83	D
15-Dec-11	1000		CS-10386-84-2		Dbob	85	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.2	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	33.9	
15-Dec-11	10000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	19900	D
15-Dec-11	10000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	45100	D
15-Dec-11	10000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	42300	D
15-Dec-11	10000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	41600	D
15-Dec-11	10000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	159000	D
15-Dec-11	10000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	63600	D
15-Dec-11	10000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	55400	D
15-Dec-11	10000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	46500	D
15-Dec-11	10000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	40300	D
15-Dec-11	10000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	13200	DU
15-Dec-11	10000	BZ 209	2051-24-3		DecaCB - Homologue	13200	DU
15-Dec-11	10000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	90	D
15-Dec-11	10000		CS-10386-84-2		Dbob	89	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.9	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	41	
15-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	11400	D
15-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	17300	D
15-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	21600	D
15-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	7610	D
15-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	28300	D
15-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	6770	D
15-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	3720	D
15-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2650	DU

15-Dec-11	2000	BZ 118	31508-00-6	db val	2,3',4,4',5-Pentachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	2930	D
15-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2650	DU
15-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2650	DU
15-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	94	D
15-Dec-11	2000		CS-10386-84-2		Dbob	98	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.4	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	35.3	
15-Dec-11	5000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	37200	D
15-Dec-11	5000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	72400	D
15-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	66300	D
15-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	21600	D
15-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	78800	D
15-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	16700	D
15-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	8290	D
15-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6640	DU
15-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	95	D
15-Dec-11	5000		CS-10386-84-2		Dbob	91	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	34	
15-Dec-11	5000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	43100	D
15-Dec-11	5000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	84600	D
15-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	78100	D
15-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	22400	D
15-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	86000	D
15-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	19000	D
15-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	10000	D
15-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6640	DU

15-Dec-11	5000	BZ 138	35065-28-2	db val	2,2',3,4,4',5'-Hexachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	6840	D
15-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6640	DU
15-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6640	DU
15-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	93	D
15-Dec-11	5000		CS-10386-84-2		Dbob	88	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.9	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	33.9	
15-Dec-11	5000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	47000	D
15-Dec-11	5000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	85200	D
15-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	85900	D
15-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	27600	D
15-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	112000	D
15-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	21700	D
15-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	10500	D
15-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	8550	D
15-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6680	DU
15-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6680	DU
15-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	105	D
15-Dec-11	5000		CS-10386-84-2		Dbob	97	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	99.2	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	49.2	
15-Dec-11	1000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	5280	D
15-Dec-11	1000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	7410	D
15-Dec-11	1000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	9840	D
15-Dec-11	1000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	3980	D
15-Dec-11	1000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	12500	D
15-Dec-11	1000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	3850	D
15-Dec-11	1000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	2370	D
15-Dec-11	1000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1680	D
15-Dec-11	1000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	1680	D

15-Dec-11	1000	BZ 170	35065-30-6	db val	2,2',3,3',4,4',5-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1320	DU
15-Dec-11	1000	BZ 209	2051-24-3		DecaCB - Homologue	1320	DU
15-Dec-11	1000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	94	D
15-Dec-11	1000		CS-10386-84-2		Dbob	109	D
06-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.8	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	44.3	
14-Dec-11	100	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	437	D
14-Dec-11	100	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	771	D
14-Dec-11	100	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	653	D
14-Dec-11	100	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	189	D
14-Dec-11	100	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	792	D
14-Dec-11	100	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	150	D
14-Dec-11	100	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	133	DU
14-Dec-11	100	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	133	DU
14-Dec-11	100	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	133	DU
14-Dec-11	100	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	133	DU
14-Dec-11	100	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	133	DU
14-Dec-11	100	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	133	DU
14-Dec-11	100	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	133	DU
14-Dec-11	100	BZ 209	2051-24-3		DecaCB - Homologue	133	DU
14-Dec-11	100	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	80	D
14-Dec-11	100		CS-10386-84-2		Dbob	89	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	96.8	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	34.7	
16-Dec-11	10000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	86800	D
16-Dec-11	10000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	149000	D
16-Dec-11	10000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	132000	D
16-Dec-11	10000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	46000	D
16-Dec-11	10000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	154000	D
16-Dec-11	10000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	44300	D
16-Dec-11	10000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	26400	D
16-Dec-11	10000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	16200	D
16-Dec-11	10000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	13500	DU

16-Dec-11	10000	BZ 187	52663-68-0	db val	2,2',3,4',5,5',6-Heptachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	13500	DU
16-Dec-11	10000	BZ 209	2051-24-3		DecaCB - Homologue	13500	DU
16-Dec-11	10000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	82	D
16-Dec-11	10000		CS-10386-84-2		Dbob	88	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.2	
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.4	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	31.6	
16-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	14200	D
16-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	27600	D
16-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	35400	D
16-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	11600	D
16-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	38400	D
16-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	9980	D
16-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	5220	D
16-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	3580	D
16-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2690	DU
16-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	85	D
16-Dec-11	2000		CS-10386-84-2		Dbob	83	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.9	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	39.5	
14-Dec-11	10	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	48.4	D
14-Dec-11	10	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	65.8	D
14-Dec-11	10	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	60.1	D
14-Dec-11	10	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	20.1	D
14-Dec-11	10	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	93	D
14-Dec-11	10	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	17	D
14-Dec-11	10	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	13.2	DU

14-Dec-11	10	BZ 195	52663-78-2	db val	2,2',3,3',4,4',5,6-Octachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	13.2	DU
14-Dec-11	10	BZ 209	2051-24-3		DecaCB - Homologue	13.2	DU
14-Dec-11	10	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	101	D
14-Dec-11	10		CS-10386-84-2		Dbob	119	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.2	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	39.1	
16-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	13700	D
16-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	19700	D
16-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	27100	D
16-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	11900	D
16-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	34000	D
16-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	11000	D
16-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	7160	D
16-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	4490	D
16-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	4980	D
16-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2690	DU
16-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2690	DU
16-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	95	D
16-Dec-11	2000		CS-10386-84-2		Dbob	84	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.5	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	32.2	
16-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	25000	D
16-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	34000	D
16-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	50500	D
16-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	14800	D
16-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	52700	D
16-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	10800	D
16-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	4670	D
16-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	3450	D
16-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2700	DU
16-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2700	DU

16-Dec-11	2000	BZ 209	2051-24-3	db val	DecaCB - Homologue	2700	DU
16-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	99	D
16-Dec-11	2000		CS-10386-84-2		Dbob	88	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.5	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	38	
16-Dec-11	5000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	66000	D
16-Dec-11	5000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	114000	D
16-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	109000	D
16-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	35000	D
16-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	94900	D
16-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	23600	D
16-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	14000	D
16-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	8660	D
16-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6770	DU
16-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6770	DU
16-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	109	D
16-Dec-11	5000		CS-10386-84-2		Dbob	100	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	97.9	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	38	
16-Dec-11	20000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	228000	D
16-Dec-11	20000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	268000	D
16-Dec-11	20000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	314000	D
16-Dec-11	20000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	81500	D
16-Dec-11	20000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	228000	D
16-Dec-11	20000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	71000	D
16-Dec-11	20000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	27300	D
16-Dec-11	20000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	27000	DU
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1.33	U

13-Dec-11	1	BZ 153	35065-27-1	db val	2,2',4,4',5,5'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	1.33	U
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	102	
13-Dec-11	1		CS-10386-84-2		Dbob	85	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	324	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	393	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	441	
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	169	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	342	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	170	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	152	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	80	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	116	
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	88	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	102	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	110	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	94	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	100	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	94	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	87	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	96	
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	87	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	97	
13-Dec-11	1		CS-10386-84-2		Dbob	91	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	101	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	116	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	105	
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	88	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	98	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	88	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	90	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	83	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	90	
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	87	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	89	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	81	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	89	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	94	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	91	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	85	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	97	

13-Dec-11	1	BZ 209	2051-24-3	db val	DecaCB - Homologue	88	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	98	
13-Dec-11	1		CS-10386-84-2		Dbob	90	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	1.33	U
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	91	
13-Dec-11	1		CS-10386-84-2		Dbob	71	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	106	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	124	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	121	
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	92	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	105	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	91	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	91	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	90	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	98	
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	96	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	97	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	86	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	99	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	104	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	97	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	94	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	105	
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	94	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	94	
13-Dec-11	1		CS-10386-84-2		Dbob	79	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	110	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	136	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	150	

13-Dec-11	1	BZ 44	41464-39-5	db val	2,2',3,5'-Tetrachlorobiphenyl	97	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	127	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	98	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	97	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	82	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	96	
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	92	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	96	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	87	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	95	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	101	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	94	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	91	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	101	
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	89	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	99	
13-Dec-11	1		CS-10386-84-2		Dbob	77	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	1.33	U
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1.33	U
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	1.33	U
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	95	
13-Dec-11	1		CS-10386-84-2		Dbob	77	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	101	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	127	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	148	
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	100	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	127	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	98	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	101	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	94	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	108	

13-Dec-11	1	BZ 128	38380-07-3	db val	2,2',3,3',4,4'-Hexachlorobiphenyl	100	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	102	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	92	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	103	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	109	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	100	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	94	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	109	
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	98	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	98	
13-Dec-11	1		CS-10386-84-2		Dbob	80	
13-Dec-11	1	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	80	
13-Dec-11	1	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	90	
13-Dec-11	1	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	94	
13-Dec-11	1	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	85	
13-Dec-11	1	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	101	
13-Dec-11	1	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	83	
13-Dec-11	1	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	84	
13-Dec-11	1	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	80	
13-Dec-11	1	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	86	
13-Dec-11	1	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	85	
13-Dec-11	1	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	86	
13-Dec-11	1	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	75	
13-Dec-11	1	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	87	
13-Dec-11	1	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	90	
13-Dec-11	1	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	86	
13-Dec-11	1	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	83	
13-Dec-11	1	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	93	
13-Dec-11	1	BZ 209	2051-24-3		DecaCB - Homologue	85	
13-Dec-11	1	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	89	
13-Dec-11	1		CS-10386-84-2		Dbob	73	
16-Dec-11	20000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	27000	DU
16-Dec-11	20000	BZ 209	2051-24-3		DecaCB - Homologue	27000	DU
16-Dec-11	20000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	91	D
16-Dec-11	20000		CS-10386-84-2		Dbob	88	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.4	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	37.4	
16-Dec-11	5000	BZ 8	34883-43-7	Page 33	2,4'-Dichlorobiphenyl	90200	D

16-Dec-11	5000	BZ 18	37680-65-2	db val	2,2',5-Trichlorobiphenyl	120000	D
16-Dec-11	5000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	132000	D
16-Dec-11	5000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	33100	D
16-Dec-11	5000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	119000	D
16-Dec-11	5000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	24800	D
16-Dec-11	5000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	10600	D
16-Dec-11	5000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	6660	D
16-Dec-11	5000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	6630	DU
16-Dec-11	5000	BZ 209	2051-24-3		DecaCB - Homologue	6630	DU
16-Dec-11	5000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	107	D
16-Dec-11	5000		CS-10386-84-2		Dbob	99	D
07-Dec-11	1		PCT_SOLIDS_CONG_AIRDRIED		Percent Solids – Air-Dried-Congeners	98.2	
30-Nov-11	1		PCT_SOLIDS		Percent Solids	34.7	
16-Dec-11	2000	BZ 8	34883-43-7		2,4'-Dichlorobiphenyl	20400	D
16-Dec-11	2000	BZ 18	37680-65-2		2,2',5-Trichlorobiphenyl	28100	D
16-Dec-11	2000	BZ 28	7012-37-5		2,4,4'-Trichlorobiphenyl	33500	D
16-Dec-11	2000	BZ 44	41464-39-5		2,2',3,5'-Tetrachlorobiphenyl	9900	D
16-Dec-11	2000	BZ 52	35693-99-3		2,2',5,5'-Tetrachlorobiphenyl	39100	D
16-Dec-11	2000	BZ 66	32598-10-0		2,3',4,4'-Tetrachlorobiphenyl	7460	D
16-Dec-11	2000	BZ 101	37680-73-2		2,2',4,5,5'-Pentachlorobiphenyl	3500	D
16-Dec-11	2000	BZ 105	32598-14-4		2,3,3',4,4'-Pentachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 118	31508-00-6		2,3',4,4',5-Pentachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 128	38380-07-3		2,2',3,3',4,4'-Hexachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 138	35065-28-2		2,2',3,4,4',5'-Hexachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 153	35065-27-1		2,2',4,4',5,5'-Hexachlorobiphenyl	2720	D
16-Dec-11	2000	BZ 170	35065-30-6		2,2',3,3',4,4',5-Heptachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 180	35065-29-3		2,2',3,4,4',5,5'-Heptachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 187	52663-68-0		2,2',3,4',5,5',6-Heptachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 195	52663-78-2		2,2',3,3',4,4',5,6-Octachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 206	40186-72-9		2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	2660	DU
16-Dec-11	2000	BZ 209	2051-24-3		DecaCB - Homologue	2660	DU
16-Dec-11	2000	BZ 198	CS-68194-17-2		2,2',3,3',4,5,5',6-Octacb (Obsolete)	97	D
16-Dec-11	2000		CS-10386-84-2		Dbob	97	D

VALID_QUAL	FINAL_QUAL	UNIT	DETECT_LIMIT	DETECT_LIMIT_CODE	EMPC	VALIDATION_LEVEL	VALIDATION
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
DJ		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		UG/KG	13400	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
DJ		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		UG/KG	26800	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			

		PCT	0.1	RL db val			
		PCT	0.1	RL			
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
DJ		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		UG/KG	6730	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	13300	RL		T1+	Y
DJ		UG/KG	13300	RL		T1+	Y
DJ		UG/KG	13300	RL		T1+	Y
DJ		UG/KG	13300	RL		T1+	Y
DJ		UG/KG	13300	RL		T1+	Y
DJ		UG/KG	13300	RL		T1+	Y
DUJ		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		UG/KG	13300	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			

DJ		UG/KG	2680	RL db val		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
DJ		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		UG/KG	2680	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
DJ		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		UG/KG	2700	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	132	RL		T1+	Y
DJ		UG/KG	132	RL	Page 37	T1+	Y

DJ		UG/KG	132	RL db val		T1+	Y
DJ		UG/KG	132	RL		T1+	Y
DJ		UG/KG	132	RL		T1+	Y
DJ		UG/KG	132	RL		T1+	Y
DUJ		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		UG/KG	132	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
DJ		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		UG/KG	133	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	1330	RL		T1+	Y
DJ		UG/KG	1330	RL		T1+	Y
DJ		UG/KG	1330	RL		T1+	Y
DJ		UG/KG	1330	RL	Page 38	T1+	Y

DJ		UG/KG	1330	RL	db val		T1+	Y
DJ		UG/KG	1330	RL			T1+	Y
DJ		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		UG/KG	1330	RL			T1+	Y
		PCT_REC		RL			T1+	Y
		PCT_REC		RL			T1+	Y
		PCT	0.1	RL				
		PCT	0.1	RL				
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
DJ		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		UG/KG	1340	RL			T1+	Y
		PCT_REC		RL			T1+	Y
		PCT_REC		RL			T1+	Y
		PCT	0.1	RL				
		PCT	0.1	RL				
DJ		UG/KG	1320	RL			T1+	Y
DJ		UG/KG	1320	RL			T1+	Y
DJ		UG/KG	1320	RL			T1+	Y
DJ		UG/KG	1320	RL			T1+	Y
DJ		UG/KG	1320	RL			T1+	Y
DJ		UG/KG	1320	RL	Page 39		T1+	Y

DUJ		UG/KG	1320	RL	db val	T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
DJ		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		UG/KG	13200	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
DJ		UG/KG	2650	RL		T1+	Y
		UG/KG	2650	RL		T1+	Y
		UG/KG	2650	RL	Page 40	T1+	Y

	UG/KG	2650	RL	db val	T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	UG/KG	2650	RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT	0.1	RL			
	PCT	0.1	RL			
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT	0.1	RL			
	PCT	0.1	RL			
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
DJ	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y
	UG/KG	6640	RL		T1+	Y

		UG/KG	6640	RL db val		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		UG/KG	6640	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
DJ		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		UG/KG	6680	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
DJ		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y
		UG/KG	1320	RL		T1+	Y

[illegible]

[illegible]

[illegible]

	UG/KG	2700	RL	db val	T1+	Y
	PCT_REC		RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT	0.1	RL			
	PCT	0.1	RL			
	UG/KG	6770	RL		T1+	Y
DJ	UG/KG	6770	RL		T1+	Y
DJ	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	UG/KG	6770	RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT_REC		RL		T1+	Y
	PCT	0.1	RL			
	PCT	0.1	RL			
DJ	UG/KG	27000	RL		T1+	Y
DJ	UG/KG	27000	RL		T1+	Y
DJ	UG/KG	27000	RL		T1+	Y
DJ	UG/KG	27000	RL		T1+	Y
DJ	UG/KG	27000	RL		T1+	Y
DJ	UG/KG	27000	RL		T1+	Y
	UG/KG	27000	RL		T1+	Y
	UG/KG	27000	RL		T1+	Y
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			
	UG/KG	1.33	RL			

[illegible]

[illegible]

[illegible]

	PCT_REC	1.33	RL	db val			
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC		RL				
	PCT_REC		RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
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	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC	1.33	RL				
	PCT_REC		RL				
	PCT_REC		RL				
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	UG/KG	27000	RL		T1+	Y	
	PCT_REC		RL		T1+	Y	
	PCT_REC		RL		T1+	Y	
	PCT	0.1	RL				
	PCT	0.1	RL				
DJ	UG/KG	6630	RL	Page 50	T1+	Y	

DJ		UG/KG	6630	RL db val		T1+	Y
DJ		UG/KG	6630	RL		T1+	Y
DJ		UG/KG	6630	RL		T1+	Y
DJ		UG/KG	6630	RL		T1+	Y
DJ		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		UG/KG	6630	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT	0.1	RL			
		PCT	0.1	RL			
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
DJ		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		UG/KG	2660	RL		T1+	Y
		PCT_REC		RL		T1+	Y
		PCT_REC		RL		T1+	Y

VALID_DATE	BIAS	DV_COMMENT	REPORT_YN	DATA_STATUS	LAB	LAB_SAMP_ID	SAMP_WGT_VOL
			Y		AAL	L1119752-02	5
			Y		AAL	L1119752-02	5
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012	I	L2L3	Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			Y		AAL	L1119752-02	30.43
2/10/2012			N		AAL	L1119752-02	30.43
2/10/2012			N		AAL	L1119752-02	30.43
			Y		AAL	L1119294-08	5
			Y		AAL	L1119294-08	5
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012	I	L2L3	Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			Y		AAL	L1119752-01	30.51
2/10/2012			N		AAL	L1119752-01	30.51
2/10/2012			N		AAL	L1119752-01	30.51
			N		AAL	WG506341-1	5

			Y	db val	AAL	L1119294-09	5
			Y		AAL	L1119294-09	5
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012	I	L2L3	Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			Y		AAL	L1119752-04	30.42
2/10/2012			N		AAL	L1119752-04	30.42
2/10/2012			N		AAL	L1119752-04	30.42
			Y		AAL	L1119752-06	5
			Y		AAL	L1119752-06	5
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L2L3	Y		AAL	L1119752-06	30.78
2/10/2012	I	L3	Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			Y		AAL	L1119752-06	30.78
2/10/2012			N		AAL	L1119752-06	30.78
2/10/2012			N		AAL	L1119752-06	30.78
			Y		AAL	L1119752-08	5
			Y	Page 53	AAL	L1119752-08	5

2/10/2012	I	L2L3	Y	db val	AAL	L1119752-08	30.44
2/10/2012	I	L2L3F1	Y		AAL	L1119752-08	30.44
2/10/2012	I	L2L3	Y		AAL	L1119752-08	30.44
2/10/2012	I	L2L3	Y		AAL	L1119752-08	30.44
2/10/2012	I	L2L3	Y		AAL	L1119752-08	30.44
2/10/2012	I	L2L3	Y		AAL	L1119752-08	30.44
2/10/2012	I	L2L3	Y		AAL	L1119752-08	30.44
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2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			Y		AAL	L1119752-08	30.44
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2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			Y		AAL	L1119752-08	30.44
2/10/2012			N		AAL	L1119752-08	30.44
2/10/2012			N		AAL	L1119752-08	30.44
			Y		AAL	L1119752-09	5
			Y		AAL	L1119752-09	5
2/10/2012	I	L2L3	Y		AAL	L1119752-09	30.32
2/10/2012	I	L2L3F1	Y		AAL	L1119752-09	30.32
2/10/2012	I	L2L3	Y		AAL	L1119752-09	30.32
2/10/2012	I	L2L3	Y		AAL	L1119752-09	30.32
2/10/2012	I	L2L3	Y		AAL	L1119752-09	30.32
2/10/2012	I	L2L3	Y		AAL	L1119752-09	30.32
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2/10/2012			Y		AAL	L1119752-09	30.32
2/10/2012			Y		AAL	L1119752-09	30.32
2/10/2012			Y		AAL	L1119752-09	30.32
2/10/2012			Y		AAL	L1119752-09	30.32
2/10/2012			Y		AAL	L1119752-09	30.32
2/10/2012			Y		AAL	L1119752-09	30.32
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2/10/2012			N		AAL	L1119752-09	30.32
2/10/2012			N		AAL	L1119752-09	30.32
			Y		AAL	L1119752-10	5
			Y		AAL	L1119752-10	5
2/10/2012	I	L2L3	Y		AAL	L1119752-10	30.41
2/10/2012	I	L2L3	Y		AAL	L1119752-10	30.41

2/10/2012	I	L2L3	Y	db val	AAL	L1119752-10	30.41
2/10/2012	I	L2L3	Y		AAL	L1119752-10	30.41
2/10/2012	I	L2L3	Y		AAL	L1119752-10	30.41
2/10/2012	I	L2L3	Y		AAL	L1119752-10	30.41
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2/10/2012			Y		AAL	L1119752-10	30.41
2/10/2012			Y		AAL	L1119752-10	30.41
2/10/2012			Y		AAL	L1119752-10	30.41
2/10/2012			Y		AAL	L1119752-10	30.41
2/10/2012			Y		AAL	L1119752-10	30.41
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2/10/2012			Y		AAL	L1119752-10	30.41
2/10/2012			N		AAL	L1119752-10	30.41
2/10/2012			N		AAL	L1119752-10	30.41
			Y		AAL	L1119752-11	5
			Y		AAL	L1119752-11	5
2/10/2012	I	L2L3	Y		AAL	L1119752-11	30.46
2/10/2012	I	L2L3	Y		AAL	L1119752-11	30.46
2/10/2012	I	L2L3	Y		AAL	L1119752-11	30.46
2/10/2012	I	L2L3	Y		AAL	L1119752-11	30.46
2/10/2012	I	L2L3	Y		AAL	L1119752-11	30.46
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2/10/2012			Y		AAL	L1119752-11	30.46
2/10/2012			Y		AAL	L1119752-11	30.46
2/10/2012			Y		AAL	L1119752-11	30.46
2/10/2012			N		AAL	L1119752-11	30.46
2/10/2012			N		AAL	L1119752-11	30.46
			Y		AAL	L1119294-11	5
			Y		AAL	L1119294-11	5
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58

2/10/2012	I	L2L3	Y	db val	AAL	L1119752-12	30.58
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58
2/10/2012	I	L2L3	Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			Y		AAL	L1119752-12	30.58
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2/10/2012			Y		AAL	L1119752-12	30.58
2/10/2012			N		AAL	L1119752-12	30.58
2/10/2012			N		AAL	L1119752-12	30.58
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2/10/2012	I	L2L3	Y		AAL	L1119752-13	30.48
2/10/2012	I	L2L3	Y		AAL	L1119752-13	30.48
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2/10/2012	I	L2L3	Y		AAL	L1119752-13	30.48
2/10/2012	I	L2L3	Y		AAL	L1119752-13	30.48
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2/10/2012			N		AAL	L1119752-13	30.48
2/10/2012			N		AAL	L1119752-13	30.48
			Y		AAL	L1119294-12	5
			Y		AAL	L1119294-12	5
2/10/2012	I	L2L3	Y		AAL	L1119752-15	30.57
2/10/2012	I	L2L3	Y		AAL	L1119752-15	30.57
2/10/2012	I	L2L3	Y		AAL	L1119752-15	30.57
2/10/2012	I	L2L3	Y		AAL	L1119752-15	30.57
2/10/2012	I	L2L3	Y		AAL	L1119752-15	30.57
2/10/2012	I	L2L3	Y	Page 56	AAL	L1119752-15	30.57

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2/10/2012	I	L2L3	Y		AAL	L1119752-16	30.75
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2/10/2012			N		AAL	L1119752-16	30.75
			Y		AAL	L1119752-18	5
			Y		AAL	L1119752-18	5
2/10/2012	I	L2L3	Y		AAL	L1119752-18	30.57
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2/10/2012	I	L2L3	Y		AAL	L1119752-21	30.71
2/10/2012	I	L2L3	Y		AAL	L1119752-21	30.71
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2/10/2012	I	L2L3	Y		AAL	L1119752-21	30.71
2/10/2012			Y		AAL	L1119752-21	30.71
2/10/2012			Y		AAL	L1119752-21	30.71
2/10/2012			Y	Page 58	AAL	L1119752-21	30.71

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2/10/2012			Y		AAL	L1119752-21	30.71
2/10/2012			Y		AAL	L1119752-21	30.71
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			Y		AAL	L1119752-22	5
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2/10/2012	I	L2L3	Y		AAL	L1119752-22	30.56
2/10/2012	I	L2L3	Y		AAL	L1119752-22	30.56
2/10/2012	I	L2L3	Y		AAL	L1119752-22	30.56
2/10/2012	I	L2L3	Y		AAL	L1119752-22	30.56
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2/10/2012			Y		AAL	L1119752-22	30.56
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2/10/2012			N		AAL	L1119752-22	30.56
2/10/2012			N		AAL	L1119752-22	30.56
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			Y		AAL	L1119752-23	5
2/10/2012	I	L2L3	Y		AAL	L1119752-23	30.49
2/10/2012	I	L2L3	Y		AAL	L1119752-23	30.49
2/10/2012	I	L2L3	Y		AAL	L1119752-23	30.49
2/10/2012	I	L2L3	Y		AAL	L1119752-23	30.49
2/10/2012	I	L2L3	Y		AAL	L1119752-23	30.49
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2/10/2012			Y		AAL	L1119752-23	30.49
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2/10/2012			Y		AAL	L1119752-23	30.49

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2/10/2012			Y		AAL	L1119752-23	30.49
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2/10/2012			N		AAL	L1119752-23	30.49
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2/10/2012	I	L2L3	Y		AAL	L1119752-24	30.42
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2/10/2012			N		AAL	L1119752-24	30.42
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2/10/2012			Y		AAL	L1119752-25	30.68
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2/10/2012			Y		AAL	L1119752-25	30.68
2/10/2012			Y		AAL	L1119752-25	30.68
2/10/2012			Y	Page 60	AAL	L1119752-25	30.68

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			Y		AAL	L1119752-29	5
			Y		AAL	L1119752-29	5
2/10/2012			Y		AAL	L1119752-29	30.94
2/10/2012			Y		AAL	L1119752-29	30.94
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2/10/2012			Y		AAL	L1119752-29	30.94
2/10/2012			Y	Page 61	AAL	L1119752-29	30.94

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2/10/2012			Y		AAL	L1119752-29	30.94
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2/10/2012			N		AAL	L1119752-29	30.94
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2/10/2012			N		AAL	L1119752-30	30.25
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2/10/2012			Y		AAL	L1119752-31	30.33
2/10/2012			Y		AAL	L1119752-31	30.33
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2/10/2012			Y		AAL	L1119752-31	30.33
2/10/2012			Y		AAL	L1119752-31	30.33
2/10/2012			Y		AAL	L1119752-31	30.33
2/10/2012			Y	Page 62	AAL	L1119752-31	30.33

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2/10/2012	I	F1	Y		AAL	L1119752-36	30.21
2/10/2012	I	F1	Y		AAL	L1119752-36	30.21
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2/10/2012			N		AAL	L1119752-38	30.62

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SDMS REPOSITORY TARGET SHEET

US EPA New England
Superfund Document Management System /
RCRA Document Management System
Native Files Target Sheet

SDMS Document ID #: 535502

Site Name: NEW BEDFORD

File Type(s) Attached (examples: Excel file or .jpg): Excel file
dbval_L1203084DV.xls

Document Type this Target Sheet Represents:

☐ Map ☐ Photograph ☐ Graph/Chart
☐ Video ☐ Compact Disc ☒ Other (Specify
below)

Description or Comments: FINAL SEDIMENT MONITORING
SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
(OU1) (02/01/2013 COVER PAGE ATTACHED)

**To view the attached files, open the “Attachment Panel”
by clicking the paper clip -  - in the left side panel of this window.**

**** Please note to view attachments the software corresponding with
the specified file type is necessary. ****

For any additional assistance please contact the EPA New England Office of
Site Remediation and Restoration Records and Information Center-
Telephone (617) 918 1440

SDG	SAMP_ID	LAB_QC_CODE	FRACTION	RECEIPT_DATE	PREP_METH	PREP_DATE	ANALYSIS_METH	ANALYSIS_DATE	DILUTION	SYNONYMS	PARAM_CODE
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 8	34883-43-7
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 18	37680-65-2
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 28	7012-37-5
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 44	41464-39-5
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 52	35693-99-3
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 66	32598-10-0
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 101	37680-73-2
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 105	32598-14-4
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 118	31508-00-6
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 128	38380-07-3
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 138	35065-28-2
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 153	35065-27-1
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 170	35065-30-6
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 180	35065-29-3
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 187	52663-68-0
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 195	52663-78-2
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 206	40186-72-9
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 209	2051-24-3
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 198	CS-68194-17-2
L1203084	AAL-WG520370-1	MB	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1		CS-10386-84-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 8	34883-43-7
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 18	37680-65-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 28	7012-37-5
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 44	41464-39-5
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 52	35693-99-3
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 66	32598-10-0
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 101	37680-73-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 105	32598-14-4
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 118	31508-00-6
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 128	38380-07-3
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 138	35065-28-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 153	35065-27-1
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 170	35065-30-6
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 180	35065-29-3
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 187	52663-68-0
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 195	52663-78-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 206	40186-72-9
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 209	2051-24-3
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 198	CS-68194-17-2
L1203084	AAL-WG520370-2	LCS	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1		CS-10386-84-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 8	34883-43-7
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 18	37680-65-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 28	7012-37-5
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 44	41464-39-5
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 52	35693-99-3
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 66	32598-10-0
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 101	37680-73-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 105	32598-14-4
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 118	31508-00-6
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 128	38380-07-3
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 138	35065-28-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 153	35065-27-1
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 170	35065-30-6
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 180	35065-29-3
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 187	52663-68-0
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 195	52663-78-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 206	40186-72-9
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 209	2051-24-3
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1	BZ 198	CS-68194-17-2
L1203084	AAL-WG520370-3	LCSD	TOTAL	27-Feb-12	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1		CS-10386-84-2
L1203084	S-11N-C015-1.0-1.5	SA	TOTAL	23-Nov-11	NO_PREP		2540G	27-Feb-12	1		PCT_SOLID5_CONG_AIRDRIED
L1203084	S-11N-C015-1.0-1.5	SA	TOTAL	23-Nov-11	NO_PREP		Percent Sol	24-Feb-12	1		PCT_SOLID5
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL	23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 8	34883-43-7
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL	23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 18	37680-65-2
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL	23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 28	7012-37-5

L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 44	41464-39-5
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 52	35693-99-3
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 66	32598-10-0
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 101	37680-73-2
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 105	32598-14-4
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 118	31508-00-6
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 128	38380-07-3
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 138	35065-28-2
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 153	35065-27-1
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 170	35065-30-6
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 180	35065-29-3
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 187	52663-68-0
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 195	52663-78-2
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 206	40186-72-9
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 209	2051-24-3
L1203084	S-11N-C015-1.0-1.5	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 198	CS-68194-17-2
L1203084	S-11N-C015-1.0-1.5-DUP	DUP	TOTAL		23-Nov-11	NO_PREP	2540G		27-Feb-12	1		CS-10386-84-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 8	34883-43-7
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 18	37680-65-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 28	7012-37-5
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 44	41464-39-5
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 52	35693-99-3
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 66	32598-10-0
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 101	37680-73-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 105	32598-14-4
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 118	31508-00-6
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 128	38380-07-3
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 138	35065-28-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 153	35065-27-1
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 170	35065-30-6
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 180	35065-29-3
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 187	52663-68-0
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 195	52663-78-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 206	40186-72-9
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 209	2051-24-3
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 198	CS-68194-17-2
L1203084	S-11N-C015-1.0-1.5-MS	MSDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000		CS-10386-84-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 8	34883-43-7
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 18	37680-65-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 28	7012-37-5
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 44	41464-39-5
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 52	35693-99-3
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 66	32598-10-0
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 101	37680-73-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 105	32598-14-4
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 118	31508-00-6
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 128	38380-07-3
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 138	35065-28-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 153	35065-27-1
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 170	35065-30-6
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 180	35065-29-3
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 187	52663-68-0
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 195	52663-78-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 206	40186-72-9
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 209	2051-24-3
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 198	CS-68194-17-2
L1203084	S-11N-C015-1.0-1.5-MSD	MSDDL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000		CS-10386-84-2
L1203084	S-11N-C016-2.0-3.0	SA	TOTAL		23-Nov-11	NO_PREP	2540G		27-Feb-12	1		PCT_SOLIDS_CONG_AIRDRIED
L1203084	S-11N-C016-2.0-3.0	SA	TOTAL		23-Nov-11	NO_PREP	Percent Sol		24-Feb-12	1		PCT_SOLIDS
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 8	34883-43-7
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 44	41464-39-5
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 66	32598-10-0
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 101	37680-73-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 105	32598-14-4
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 118	31508-00-6

L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 128	38380-07-3
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 138	35065-28-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 153	35065-27-1
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 170	35065-30-6
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 180	35065-29-3
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 187	52663-68-0
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 195	52663-78-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 206	40186-72-9
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 209	2051-24-3
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000	BZ 198	CS-68194-17-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	01-Mar-12	1000		CS-10386-84-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	4000	BZ 18	37680-65-2
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	4000	BZ 28	7012-37-5
L1203084	S-11N-C016-2.0-3.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	4000	BZ 52	35693-99-3
L1203084	S-11N-C031-0.5-1.0	SA	TOTAL		23-Nov-11	NO_PREP		2540G	27-Feb-12	1		PCT_SOLIDS_CONG_AIRDRIED
L1203084	S-11N-C031-0.5-1.0	SA	TOTAL		23-Nov-11	NO_PREP		Percent Sol	24-Feb-12	1		PCT_SOLIDS
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 8	34883-43-7
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 18	37680-65-2
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 28	7012-37-5
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 44	41464-39-5
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 52	35693-99-3
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 66	32598-10-0
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 101	37680-73-2
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 105	32598-14-4
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 118	31508-00-6
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 128	38380-07-3
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 138	35065-28-2
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 153	35065-27-1
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 170	35065-30-6
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 180	35065-29-3
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 187	52663-68-0
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 195	52663-78-2
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 206	40186-72-9
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 209	2051-24-3
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200	BZ 198	CS-68194-17-2
L1203084	S-11N-C031-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	200		CS-10386-84-2
L1203084	S-11N-C034-0.5-1.0	SA	TOTAL		23-Nov-11	NO_PREP		2540G	27-Feb-12	1		PCT_SOLIDS_CONG_AIRDRIED
L1203084	S-11N-C034-0.5-1.0	SA	TOTAL		23-Nov-11	NO_PREP		Percent Sol	24-Feb-12	1		PCT_SOLIDS
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 8	34883-43-7
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 18	37680-65-2
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 28	7012-37-5
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 44	41464-39-5
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 52	35693-99-3
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 66	32598-10-0
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 101	37680-73-2
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 105	32598-14-4
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 118	31508-00-6
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 128	38380-07-3
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 138	35065-28-2
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 153	35065-27-1
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 170	35065-30-6
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 180	35065-29-3
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 187	52663-68-0
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 195	52663-78-2
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 206	40186-72-9
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 209	2051-24-3
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20	BZ 198	CS-68194-17-2
L1203084	S-11N-C034-0.5-1.0	SADL1	TOTAL		23-Nov-11	3540C	27-Feb-12	8082 Congeners	02-Mar-12	20		CS-10386-84-2

DESCRIPTION	RESULT	LAB_QUAL	VALID_QUAL	FINAL_QUAL	UNIT	DETECT_LIM	DETECT_LIM_CODE	EMPC	VALIDATION_LEVEL	VALIDATION	VALID_DATE	BIAS
2,4'-Dichlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',5'-Trichlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,4,4'-Trichlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,5'-Tetrachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',5,5'-Tetrachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,3',4,4'-Tetrachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',4,5,5'-Pentachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,3,3',4,4'-Pentachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,3',4,4',5'-Pentachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,3',4,4'-Hexachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,4,4',5'-Hexachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',4,4',5,5'-Hexachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,3',4,4',5'-Heptachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,4,4',5,5'-Heptachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,4',5,5',6-Heptachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,3',4,4',5,6-Octachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1.33	U			UG/KG	1.33	RL			N		
DecaCB - Homologue	1.33	U			UG/KG	1.33	RL			N		
2,2',3,3',4,5,5',6-Octacb (Obsolete)	100				PCT_REC		RL			N		
Dbob	89				PCT_REC		RL			N		
2,4'-Dichlorobiphenyl	87				PCT_REC	1.33	RL			N		
2,2',5'-Trichlorobiphenyl	89				PCT_REC	1.33	RL			N		
2,4,4'-Trichlorobiphenyl	93				PCT_REC	1.33	RL			N		
2,2',3,5'-Tetrachlorobiphenyl	90				PCT_REC	1.33	RL			N		
2,2',5,5'-Tetrachlorobiphenyl	95				PCT_REC	1.33	RL			N		
2,3',4,4'-Tetrachlorobiphenyl	90				PCT_REC	1.33	RL			N		
2,2',4,5,5'-Pentachlorobiphenyl	92				PCT_REC	1.33	RL			N		
2,3,3',4,4'-Pentachlorobiphenyl	83				PCT_REC	1.33	RL			N		
2,3',4,4',5'-Pentachlorobiphenyl	89				PCT_REC	1.33	RL			N		
2,2',3,3',4,4'-Hexachlorobiphenyl	93				PCT_REC	1.33	RL			N		
2,2',3,4,4',5'-Hexachlorobiphenyl	98				PCT_REC	1.33	RL			N		
2,2',4,4',5,5'-Hexachlorobiphenyl	87				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5'-Heptachlorobiphenyl	92				PCT_REC	1.33	RL			N		
2,2',3,4,4',5,5'-Heptachlorobiphenyl	89				PCT_REC	1.33	RL			N		
2,2',3,4',5,5',6-Heptachlorobiphenyl	97				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5,6-Octachlorobiphenyl	91				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	98				PCT_REC	1.33	RL			N		
DecaCB - Homologue	91				PCT_REC	1.33	RL			N		
2,2',3,3',4,5,5',6-Octacb (Obsolete)	92				PCT_REC		RL			N		
Dbob	81				PCT_REC		RL			N		
2,4'-Dichlorobiphenyl	91				PCT_REC	1.33	RL			N		
2,2',5'-Trichlorobiphenyl	98				PCT_REC	1.33	RL			N		
2,4,4'-Trichlorobiphenyl	95				PCT_REC	1.33	RL			N		
2,2',3,5'-Tetrachlorobiphenyl	93				PCT_REC	1.33	RL			N		
2,2',5,5'-Tetrachlorobiphenyl	94				PCT_REC	1.33	RL			N		
2,3',4,4'-Tetrachlorobiphenyl	92				PCT_REC	1.33	RL			N		
2,2',4,5,5'-Pentachlorobiphenyl	96				PCT_REC	1.33	RL			N		
2,3,3',4,4'-Pentachlorobiphenyl	94				PCT_REC	1.33	RL			N		
2,3',4,4',5'-Pentachlorobiphenyl	93				PCT_REC	1.33	RL			N		
2,2',3,3',4,4'-Hexachlorobiphenyl	91				PCT_REC	1.33	RL			N		
2,2',3,4,4',5'-Hexachlorobiphenyl	96				PCT_REC	1.33	RL			N		
2,2',4,4',5,5'-Hexachlorobiphenyl	90				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5-Heptachlorobiphenyl	93				PCT_REC	1.33	RL			N		
2,2',3,4,4',5,5'-Heptachlorobiphenyl	90				PCT_REC	1.33	RL			N		
2,2',3,4',5,5',6-Heptachlorobiphenyl	97				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5,6-Octachlorobiphenyl	91				PCT_REC	1.33	RL			N		
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	100				PCT_REC	1.33	RL			N		
DecaCB - Homologue	91				PCT_REC	1.33	RL			N		
2,2',3,3',4,5,5',6-Octacb (Obsolete)	94				PCT_REC		RL			N		
Dbob	86				PCT_REC		RL			N		
Percent Solids – Air-Dried-Congeners	98.3				PCT	0.1	RL			N		
Percent Solids	46.4				PCT	0.1	RL			N		
2,4'-Dichlorobiphenyl	9840	D			UG/KG	1320	RL		T1+	Y	4/4/2012	
2,2',5'-Trichlorobiphenyl	11700	D	DJ		UG/KG	1320	RL		T1+	Y	4/4/2012	
2,4,4'-Trichlorobiphenyl	10700	D			UG/KG	Page 4 1320	RL		T1+	Y	4/4/2012	

2,2',3,5'-Tetrachlorobiphenyl	4050	D			UG/KG	db val	1320	RL			T1+	Y	4/4/2012
2,2',5,5'-Tetrachlorobiphenyl	12700	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3',4,4'-Tetrachlorobiphenyl	2970	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',4,5,5'-Pentachlorobiphenyl	1500	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3,3',4,4'-Pentachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3',4,4',5-Pentachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,3',4,4'-Hexachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,4,4',5'-Hexachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',4,4',5,5'-Hexachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,3',4,4',5-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,4,4',5,5'-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,4',5,5',6-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,3',4,4',5,6-Octachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
DecaCB - Homologue	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,3',4,5,5',6-Octacb (Obsolete)	90	D			PCT_REC			RL			T1+	Y	4/4/2012
Dbob	74	D			PCT_REC			RL			T1+	Y	4/4/2012
Percent Solids – Air-Dried-Congeners	98.3				PCT		0.1	RL				N	
2,4'-Dichlorobiphenyl	87.4	D			PCT_REC		1340	RL				N	
2,2',5-Trichlorobiphenyl	401	D			PCT_REC		1340	RL				N	
2,4,4'-Trichlorobiphenyl	257	D			PCT_REC		1340	RL				N	
2,2',3,5'-Tetrachlorobiphenyl	89.2	D			PCT_REC		1340	RL				N	
2,2',5,5'-Tetrachlorobiphenyl	120	D			PCT_REC		1340	RL				N	
2,3',4,4'-Tetrachlorobiphenyl	95.2	D			PCT_REC		1340	RL				N	
2,2',4,5,5'-Pentachlorobiphenyl	83.8	D			PCT_REC		1340	RL				N	
2,3,3',4,4'-Pentachlorobiphenyl	85	D			PCT_REC		1340	RL				N	
2,3',4,4',5-Pentachlorobiphenyl	118	D			PCT_REC		1340	RL				N	
2,2',3,3',4,4'-Hexachlorobiphenyl	99.4	D			PCT_REC		1340	RL				N	
2,2',3,4,4',5'-Hexachlorobiphenyl	126	D			PCT_REC		1340	RL				N	
2,2',4,4',5,5'-Hexachlorobiphenyl	141	D			PCT_REC		1340	RL				N	
2,2',3,3',4,4',5-Heptachlorobiphenyl	95.2	D			PCT_REC		1340	RL				N	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	104	D			PCT_REC		1340	RL				N	
2,2',3,4',5,5',6-Heptachlorobiphenyl	103	D			PCT_REC		1340	RL				N	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	90.4	D			PCT_REC		1340	RL				N	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	131	D			PCT_REC		1340	RL				N	
DecaCB - Homologue	89.8	D			PCT_REC		1340	RL				N	
2,2',3,3',4,5,5',6-Octacb (Obsolete)	93	D			PCT_REC			RL				N	
Dbob	75	D			PCT_REC			RL				N	
2,4'-Dichlorobiphenyl	98.6	D			PCT_REC		1350	RL				N	
2,2',5-Trichlorobiphenyl	95.1	D			PCT_REC		1350	RL				N	
2,4,4'-Trichlorobiphenyl	113	D			PCT_REC		1350	RL				N	
2,2',3,5'-Tetrachlorobiphenyl	72.5	D			PCT_REC		1350	RL				N	
2,2',5,5'-Tetrachlorobiphenyl	89.1	D			PCT_REC		1350	RL				N	
2,3',4,4'-Tetrachlorobiphenyl	85.6	D			PCT_REC		1350	RL				N	
2,2',4,5,5'-Pentachlorobiphenyl	74.9	D			PCT_REC		1350	RL				N	
2,3,3',4,4'-Pentachlorobiphenyl	80.8	D			PCT_REC		1350	RL				N	
2,3',4,4',5-Pentachlorobiphenyl	121	D			PCT_REC		1350	RL				N	
2,2',3,3',4,4'-Hexachlorobiphenyl	95.1	D			PCT_REC		1350	RL				N	
2,2',3,4,4',5'-Hexachlorobiphenyl	123	D			PCT_REC		1350	RL				N	
2,2',4,4',5,5'-Hexachlorobiphenyl	133	D			PCT_REC		1350	RL				N	
2,2',3,3',4,4',5-Heptachlorobiphenyl	91.5	D			PCT_REC		1350	RL				N	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	101	D			PCT_REC		1350	RL				N	
2,2',3,4',5,5',6-Heptachlorobiphenyl	98.6	D			PCT_REC		1350	RL				N	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	86.7	D			PCT_REC		1350	RL				N	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	97.4	D			PCT_REC		1350	RL				N	
DecaCB - Homologue	86.7	D			PCT_REC		1350	RL				N	
2,2',3,3',4,5,5',6-Octacb (Obsolete)	87	D			PCT_REC			RL				N	
Dbob	74	D			PCT_REC			RL				N	
Percent Solids – Air-Dried-Congeners	98.2				PCT		0.1	RL				N	
Percent Solids	39.7				PCT		0.1	RL				N	
2,4'-Dichlorobiphenyl	22400	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',3,5'-Tetrachlorobiphenyl	3190	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3',4,4'-Tetrachlorobiphenyl	3120	D			UG/KG		1320	RL			T1+	Y	4/4/2012
2,2',4,5,5'-Pentachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3,3',4,4'-Pentachlorobiphenyl	1320	DU			UG/KG		1320	RL			T1+	Y	4/4/2012
2,3',4,4',5-Pentachlorobiphenyl	1320	DU			UG/KG	Page 5	1320	RL			T1+	Y	4/4/2012

2,2',3,3',4,4'-Hexachlorobiphenyl	1320	DU			UG/KG	db val	1320	RL		T1+	Y	4/4/2012
2,2',3,4,4',5'-Hexachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',4,4',5,5'-Hexachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,4,4',5,5'-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,4',5,5',6-Heptachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,6-Octachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
DecaCB - Homologue	1320	DU			UG/KG		1320	RL		T1+	Y	4/4/2012
2,2',3,3',4,5,5',6-Octacb (Obsolete)	95	D			PCT_REC			RL		T1+	Y	4/4/2012
Dbob	79	D			PCT_REC			RL		T1+	Y	4/4/2012
2,2',5-Trichlorobiphenyl	43000	D			UG/KG		5300	RL		T1+	Y	4/4/2012
2,4,4'-Trichlorobiphenyl	31300	D			UG/KG		5300	RL		T1+	Y	4/4/2012
2,2',5,5'-Tetrachlorobiphenyl	63800	D			UG/KG		5300	RL		T1+	Y	4/4/2012
Percent Solids – Air-Dried-Congeners	98.3				PCT		0.1	RL			N	
Percent Solids	42.1				PCT		0.1	RL			N	
2,4'-Dichlorobiphenyl	1730	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',5-Trichlorobiphenyl	2640	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,4,4'-Trichlorobiphenyl	2820	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,5'-Tetrachlorobiphenyl	1190	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',5,5'-Tetrachlorobiphenyl	3800	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,3',4,4'-Tetrachlorobiphenyl	885	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',4,5,5'-Pentachlorobiphenyl	438	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,3,3',4,4'-Pentachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,3',4,4',5-Pentachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,3',4,4'-Hexachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,4,4',5'-Hexachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',4,4',5,5'-Hexachlorobiphenyl	335	D			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5-Heptachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,4,4',5,5'-Heptachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,4',5,5',6-Heptachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,6-Octachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
DecaCB - Homologue	268	DU			UG/KG		268	RL		T1+	Y	4/4/2012
2,2',3,3',4,5,5',6-Octacb (Obsolete)	79	D			PCT_REC			RL		T1+	Y	4/4/2012
Dbob	76	D			PCT_REC			RL		T1+	Y	4/4/2012
Percent Solids – Air-Dried-Congeners	98.6				PCT		0.1	RL			N	
Percent Solids	43.7				PCT		0.1	RL			N	
2,4'-Dichlorobiphenyl	120	D			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',5-Trichlorobiphenyl	219	D			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,4,4'-Trichlorobiphenyl	166	D			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,5'-Tetrachlorobiphenyl	49.1	D			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',5,5'-Tetrachlorobiphenyl	216	D			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,3',4,4'-Tetrachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',4,5,5'-Pentachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,3,3',4,4'-Pentachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,3',4,4',5-Pentachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,3',4,4'-Hexachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,4,4',5'-Hexachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',4,4',5,5'-Hexachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5-Heptachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,4,4',5,5'-Heptachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,4',5,5',6-Heptachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,6-Octachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
DecaCB - Homologue	26.2	DU			UG/KG		26.2	RL		T1+	Y	4/4/2012
2,2',3,3',4,5,5',6-Octacb (Obsolete)	88	D			PCT_REC			RL		T1+	Y	4/4/2012
Dbob	76	D			PCT_REC			RL		T1+	Y	4/4/2012

[illegible]

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1203084

Lab: Alpha Analytical

Date Sampled: 11/17/11

Analysis: 18 NOAA PCB Congeners by GC/ECD

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

No. Samples

4

Matrix:

Sediment Cores

Data Element	Preservation	Surrogates	LCS/LCSD	MS/MSD	FD	MB	RL	Issues with	Other
Acceptable	& HT	%R 30-150%	%R 40-140%	%R 40-140%	RPD ≤ 30% SW	< RL or < 5x	meets QAPP	Qualifiers?	
			RPD ≤ 30%	RPD ≤ 30%	RPD ≤ 50% SED	Conc. in sample	req. for matrix?		
Yes	✓	✓	✓		NA	✓	✓	✓	NA
No				Estimate (J) 1 result in 1 sample				All data qualified "D" by the lab since samples analyzed DF > 1	

Did the Laboratory Narrative contain any issues which may affect data quality? Yes; however, all issues were reported in the summary data.

Were the %solids acceptable (>30%)? Yes all > 98% solids after air-drying. Prior to air-drying, % solids were 39-46%.

The data package consisted of a laboratory narrative, data sheets for samples, Method Blanks (MB), laboratory control samples (LCS), Matrix Spike/Matrix Spike Duplicates (MS/MSD), and the executed chain-of-custody. Summary information for initial and continuing calibrations were not present nor were raw data for samples and quality control (QC) reported. This Tier I+ review assumed that initial calibrations and qualitative and quantitative determination of the 18 NOAA target Congeners were acceptable unless an issue was raised in the laboratory narrative. This review also assumed that the highest value for the two GC columns used was reported for the sample result, as required by the OAPP, unless noted by the laboratory.

Comments:

The post-dredge sediment cores were collected on November 17, 2011 and Dave Walsh, WHG, prepared the core samples for analysis. The core aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. Samples were received frozen on November 23, 2011 and the 4 samples reported in this SDG were received for "Archive" and were placed in frozen storage by Alpha until February 24, 2012 when WHG requested they be analyzed. COC seals were absent from coolers; however, these were hand delivered from the site to the lab.

On February 24, 2012, %solids were performed and based on the results of these analyses, all of the samples were air-dried for use in PCB Congener determination. Samples were extracted on February 27, 2012 and then the remainder of the samples were placed back in frozen storage.

HT: Air-dried samples were extracted on 2/27/12 and extracts were analyzed by 3/2/12 - HT met - No action required.

Surrogates: All samples were analyzed at dilutions (DF=20 to DF=4000) to report Congeners within the accurate calibration range. The laboratory spiked the surrogates at levels which allowed accurate recoveries to be reported even for DF=1000 analyses. Both surrogates, DBOB and BZ 198, were recovered within criteria in all samples and QC - No Action required.

Date: 4/4/12

Data Reviewer: Nancy C. Rothman, Ph.D.

New Bedford Harbor
OU-1 Monitoring 2011

Lab Project #: L1203084

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

Blank Action: Blanks Reviewed: Method Blank: WG520370-1
No EB associated with samples

Blank ID	Contaminant / Level	Matrix Related?	Action Level / Action	Sample and Reported Result	Corrected Result
WG520370-1	None	-	-	No Blank Action required	

LCS/LCSD: WG520370-2/-3 %Rec for LCS & LCSD were within 40-140% for all 18 NOAA Congeners and LCS/LCSD precision (RPD) was acceptable - No Action required.

MS/MSD: performed on sample S-11N-C015-1.0-1.5. %Rec for MS&MSD and RPD between MS/MSD were acceptable for all 18 NOAA Congeners except BZ#18 MS high and RPD high and BZ#28 and BZ#153 MS high. The matrix spike levels for BZ#18 and BZ#28 were too low compared to the amount of these congeners in the unspiked samples; therefore, no action taken for high MS recovery. Also, since BZ#153 was non-detect in the unspiked sample, no action required for the high MS recovery. Only action is for BZ#18 MS/MSD imprecision

**ACTION: BZ#18 (2,2',5-Trichlorobiphenyl) estimated (J) in sample S-11N-C015-1.0-1.5 with indeterminate bias due to MS/MSD imprecision*

FD: there were no Field duplicates associated with the samples in this SDG. No Action required.

All samples were analyzed at DF > 1 (ranged from DF=20 to DF=4000) to report all congeners within the instrument calibration range. For all samples the RLs were increased as a consequence of the dilutions made (RLs were 5-260 times higher than 5 µg/Kg PQL given in QAPP Worksheet #15 for all samples). However, the sum of all detected congener results in these diluted samples exceeded the Project Action Limit (PAL) for Total PCBs; therefore, sensitivity was considered acceptable.

Qualifiers: All data were reported with "D" qualifiers. As instructed by Battelle, these "D" qualifiers were not removed during the DV process. There were no "J" or "E" qualified data reported.

Narrative: the narrative did not raise any issues not already addressed.

Date: 4/4/12

Data Reviewer: Nancy C. Rothman, Ph.D.

**New Bedford Harbor
OU-1 Monitoring 2011**

Lab Project #: L1203084

Lab: Alpha Analytical

18 NOAA PCB Congeners Tier I+ Data Validation Checklist

ACTIONS:

Preservation: Cooled to $4 \pm 2^{\circ}\text{C}$. Sediments may be frozen for up to 1 year to preserve sample prior to extraction. If temperature outside criteria, use professional judgment.

HT: Extraction: waters -7d <HT< 14 d, J det/ J NDs; HT >14 d, J det/R ND

Extraction: sediment - 14d <HT< 28 d, J det/ J NDs; HT >28 d, J det/R ND (freezing arrests HT)

Analysis of extract: 40d < Extract HT < 60d, J det/ J NDs; Extract HT > 60d; J det/ R NDs

Surrogates: % Recovery > 150%, J det/Accept ND; $10\% \leq$ % Recovery < 30%, J det/J NDs; Recovery < 10%, J det/R NDs.

LCS/LCSD: %Rec<10%, J det/ R NDs; $10\% < \%$ Rec<40%, J det/ J NDs; %Rec >140%, J det/Accept NDs. RPD > 30%, J det/UJ NDs.

MS/MSD: %Rec<10%, J det/ R NDs; $10\% < \%$ Rec<40%, J det/ J NDs; %Rec >140%, J det/Accept NDs- Unspiked Sample only. RPD > 30%, J det/UJ NDs.

FD: RPD > 30% (waters) or 50% (sediment) for results > 2 x RL, J det/UJ NDs. Use professional judgment for values < 2 x RL.

MBs: If contamination in blank(s) exists, Blank Action Level (BAL)= 5 x Level in Blank (on a sample-equivalent basis). If a sample result is < RL and < BAL, negate (U) result at RL; if value > RL but < BAL, negate (U) result at level reported; if value > BAL, no Action.

RLs: Verify RLs are sample-specific and meet PQL given in QAPP Addendum 2009 UFP - Worksheet #15. If result > upper calibration range, J result; if result < lowest calibration standard, J result. Verify all J data reported properly, if applicable. Note any non-detects at values > PALs.

Other Data qualified J by lab stays as J; data qualified E by lab becomes J; data qualified U by lab stays U; data qualified P by lab becomes J; data qualified B becomes

Qualifiers: either U or J based on actions taken for Method Blank (MB)

% solids: $10\% < \%$ solids < 30%, J det/R ND; % solids < 10%, R detects and NDs.

Qualifiers: U = analyte is non-detect at the sample-specific Reporting Limit (RL) (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value; R = result is rejected due to severe QC exceedance and unusable for project objectives. Bias: L = Low; H = High; I = Indeterminate.

Reference: Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011) and Region I, EPA-NE Pesticide/PCB Data Validation Functional Guidelines - Part III, Draft February 2004

Laboratory Data were reported using BZ# only - the following table shows a cross reference of BZ# to Congener Name and CAS Number

Congener Name	BZ #	CAS Number
2,4'-Dichlorobiphenyl	BZ#8	34883-43-7
2,2',5'-Trichlorobiphenyl	BZ#18	37680-65-2
2,4,4'-Trichlorobiphenyl	BZ#28	7012-37-5
2,2',3,5'-Tetrachlorobiphenyl	BZ#44	41464-39-5
2,2',5,5'-Tetrachlorobiphenyl	BZ#52	35693-99-3
2,3',4,4'-Tetrachlorobiphenyl	BZ#66	32598-10-0
2,2',4,5,5'-Pentachlorobiphenyl	BZ#101	37680-73-2
2,3,3',4,4'-Pentachlorobiphenyl	BZ#105	32598-14-4
2,3',4,4',5'-Pentachlorobiphenyl	BZ#118	31508-00-6

Congener Name	BZ #	CAS Number
2,2',3,3',4,4'-Hexachlorobiphenyl	BZ#128	38380-07-3
2,2',3,4,4',5'-Hexachlorobiphenyl	BZ#138	35065-28-2
2,2',4,4',5,5'-Hexachlorobiphenyl	BZ#153	35065-27-1
2,2',3,3',4,4',5-Heptachlorobiphenyl	BZ#170	35065-30-6
2,2',3,4,4',5,5'-Heptachlorobiphenyl	BZ#180	35065-29-3
2,2',3,4',5,5',6-Heptachlorobiphenyl	BZ#187	52663-68-0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	BZ#195	52663-78-2
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	BZ#206	40186-72-9
Decachlorobiphenyl	BZ#209	52663-77-1

Date: 4/4/12

Data Reviewer: Nancy C. Rothman, Ph.D.

SDMS REPOSITORY TARGET SHEET

US EPA New England
Superfund Document Management System /
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Native Files Target Sheet

SDMS Document ID #: 535502

Site Name: NEW BEDFORD

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L1203084_nbh.pdf

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☐ Map ☐ Photograph ☐ Graph/Chart
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Description or Comments: FINAL SEDIMENT MONITORING
SUMMARY REPORT, 2011 REMEDIAL DREDGING, NEW
BEDFORD HARBOR SUPERFUND SITE, OPERABLE UNIT 1
(OU1) (02/01/2013 COVER PAGE ATTACHED)

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Site Remediation and Restoration Records and Information Center-
Telephone (617) 918 1440

SAMP_ID	RECEIPT_DAT	PREP_METH	ANALYSIS_M	LAB_QC_COD	FRACTION	DILUTION	CAS	ANALYTE	VALUE	LAB_QUAL	DETECT_LIMI	DETECT_LIMI	UNIT	ANALYSIS_DA	SDG	LAB_SAMP_ID	LAB	SAMP_PREP	SAMP_WGT	SAMP_WGT	EMPC	REPORT_YN		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	41464-39-5	2,2',3',5'-Tetra	4050	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Per	1500	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL		1	PCT SOLIDS	Solids, Total	46.4		0.1	RL	PCT	2/24/2012	L1203084	L1203084-01	AAL		5	G		Y	
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	34883-43-7	2,4'-Dibc	9840	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetra	12700	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	CS-10386-84	DBOB	74	D		RL	PCT_REC	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		N		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	2051-24-3	Decacb - Con	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetra	2970	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	CS-68194-17	2,2',3,3',4,5,5	90	D		RL	PCT_REC	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		N		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	NO_PREP	2540G	SA	TOTAL		1	PCT SOLIDS	Solids, Total	98.3		0.1	RL	PCT	2/27/2012	L1203084	L1203084-01	AAL		5	G		Y	
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pe	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	37680-65-2	2,2',5-Tricb	11700	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pe	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C015-7	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	7012-37-5	2,4,4'-Tricb	10700	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-01	AAL	2/27/2012	30.94	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	34883-43-7	2,4'-Dibc	22400	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	NO_PREP	2540G	SA	TOTAL		1	PCT SOLIDS	Solids, Total	98.2		0.1	RL	PCT	2/27/2012	L1203084	L1203084-02	AAL		5	G		Y	
S-11N-C016-2	11/23/2011	NO_PREP	Percent Sol	SA	TOTAL		1	PCT SOLIDS	Solids, Total	39.7		0.1	RL	PCT	2/24/2012	L1203084	L1203084-02	AAL		5	G		Y	
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	32598-10-0	2,3',4,4'-Tetra	3120	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	CS-10386-84	DBOB	79	D		RL	PCT_REC	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		N		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	4000	37680-65-2	2,2',5-Tricb	43000	D	5300	RL	UG/KG	3/2/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y	D	
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	4000	7012-37-5	2,4,4'-Tricb	31300	D	5300	RL	UG/KG	3/2/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y	D	
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	4000	35693-99-3	2,2',5,5'-Tetra	63800	D	5300	RL	UG/KG	3/2/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y	D	
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	37680-73-2	2,2,4,5,5'-Per	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	CS-68194-17	2,2',3,3',4,5,5	95	D		RL	PCT_REC	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		N		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	35065-27-1	2,2',4,4',5,5',4	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pe	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	32598-14-4	2,3,3',4,4'-Pe	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	2051-24-3	Decacb - Con	1320	DU	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C016-2	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetra	3190	D	1320	RL	UG/KG	3/1/2012	L1203084	L1203084-02	AAL	2/27/2012	30.76	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	7012-37-5	2,4,4'-Tricb	2820	D	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	35065-27-1	2,2',4,4',5,5',4	335	D	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	52663-78-2	2,2',3,3',4,4',5	268	DU	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	34883-43-7	2,4'-Dibc	1730	D	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	52663-68-0	2,2',3,4',5,5',6	268	DU	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	35065-29-3	2,2',3,4,4',5,5	268	DU	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	40186-72-9	2,2',3,3',4,4',5	268	DU	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	38380-07-3	2,2',3,3',4,4',4	268	DU	268	RL	UG/KG	3/2/2012	L1203084	L1203084-03	AAL	2/27/2012	30.35	G		Y		
S-11N-C031-0	11/23/2011	3540C	8082 Congen	SADL1	TOTAL	200	2051-24-3	Decacb - Con	268	DU	268	RL	UG/KG											

		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	37680-73-2	2,2,4,5,5'-Per	92			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	35693-99-3	2,2',5,5'-Tetra	95			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	41464-39-5	2,2',3,3',5'-Tetra	90			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	32598-10-0	2,3',4,4',4'-Tetra	90			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	35065-29-3	2,2',3,4,4',5,5'	89			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	35065-27-1	2,2',4,4',5,5',4'	87			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	CS-10386-84	DBOB	81				RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	2051-24-3	Decacb - Con	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	52663-78-2	2,2',3,3',4,4',5'	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	32598-14-4	2,2',3,3',4,4',-Pe	83			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	35065-30-6	2,2',3,3',4,4',5'	92			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	40186-72-9	2,2',3,3',4,4',5'	98			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	34883-43-7	2,4'-Dicb	87			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	35065-28-2	2,2',3,4',4,5',4'	98			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	52663-68-0	2,2',3,4',5,5',4'	97			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	CS-68194-17	2,2',3,3',4,5,5'	92				RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	37680-65-2	2,2',5'-Tricb	89			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCS	TOTAL			1	31508-00-6	2,3',4,4',5-Pe	89			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-2	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	CS-68194-17	2,2',3,3',4,5,5'	94				RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	52663-78-2	2,2',3,3',4,4',5'	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	37680-65-2	2,2',5'-Tricb	98			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	35693-99-3	2,2',5,5'-Tetra	94			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	31508-00-6	2,3',4,4',5-Pe	93			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	35065-29-3	2,2',3,4,4',5,5'	90			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	35065-30-6	2,2',3,3',4,4',5'	93			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	41464-39-5	2,2',3,3',5'-Tetra	93			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	35065-28-2	2,2',3,4',4,5',4'	96			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	CS-10386-84	DBOB	86				RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	32598-10-0	2,3',4,4',4'-Tetra	92			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	40186-72-9	2,2',3,3',4,4',5'	100			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	2051-24-3	Decacb - Con	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	7012-37-5	2,4,4'-Tricb	95			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	52663-68-0	2,2',3,4',5,5',6'	97			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	38380-07-3	2,2',3,3',4,4',4'	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	37680-73-2	2,2,4,5,5'-Per	96			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	35065-27-1	2,2',4,4',5,5',4'	96			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	34883-43-7	2,4'-Dicb	91			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
		2/27/2012	3540C	8082 Congen	LCSD	TOTAL			1	32598-14-4	2,3,3',4,4',-Pe	94			1.33	RL	PCT REC	3/1/2012	L1203084	WG520370-3	AAL	2/27/2012	30	G		N		
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	35693-99-3	2,2',5,5'-Tetra	120	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	32598-14-4	2,3,3',4,4',-Pe	85	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	52663-68-0	2,2',3,4',5,5',6'	103	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	40186-72-9	2,2',3,3',4,4',5'	131	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	CS-10386-84	DBOB	75	D			RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	31508-00-6	2,3',4,4',5-Pe	118	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	38380-07-3	2,2',3,3',4,4',5'	99.4	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	52663-78-2	2,2',3,3',4,4',5'	90.4	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	2051-24-3	Decacb - Con	89.8	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	35065-28-2	2,2',3,4',4,5',4'	126	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	35065-30-6	2,2',3,3',4,4',5'	95.2	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	41464-39-5	2,2',3,5'-Tetra	89.2	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	35065-29-3	2,2',3,4,4',5,5'	104	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	7012-37-5	2,4,4'-Tricb	257	D		1340	RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011	3540C	8082 Congen	MSDL1	TOTAL	1000	CS-68194-17	2,2',3,3',4,5,5'	93	D			RL	PCT REC	3/1/2012	L1203084	WG520370-4	AAL	2/27/2012	30.45	G		N					
S-11N-C015-	11/23/2011</																											



ANALYTICAL REPORT

Lab Number:	L1203084
Client:	Woods Hole Group 81 Technology Park Drive East Falmouth, MA 02536
ATTN:	Dave Walsh
Phone:	(508) 540-8080
Project Name:	NEW BEDFORD OU1
Project Number:	TO-0010-04
Report Date:	03/09/12

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1203084-01	S-11N-C015-1.0-1.5	NEW BEDFORD, MA	11/17/11 15:06
L1203084-02	S-11N-C016-2.0-3.0	NEW BEDFORD, MA	11/17/11 13:56
L1203084-03	S-11N-C031-0.5-1.0	NEW BEDFORD, MA	11/17/11 14:10
L1203084-04	S-11N-C034-0.5-1.0	NEW BEDFORD, MA	11/17/11 15:17

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Please contact Client Services at 800-624-9220 with any questions.

Sample Receipt

Sediment samples were received intact and frozen on November 23, 2011 and placed in frozen storage. Samples were removed on February 24, 2012 and set up for air drying and initial percent solids were performed. On February 27, 2012 the samples were extracted for PCB Congener analysis and analyzed for air-dried percent solids. The samples were placed back into frozen storage on February 27, 2012.

PCB Congeners by GC/ECD

L1203084-02 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

Case Narrative (continued)

calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1203084-01-04 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG520370-4 MS recoveries, performed on L1203084-01, were above the acceptance criteria for Cl3-BZ#18 (401%), Cl3-BZ#28 (257%), and Cl6-BZ#153 (141%); however, the associated LCS/LCSD recoveries were within criteria. The results of the sample utilized for the MS/MSD are considered to have a potentially high bias for these compounds.

The WG520370-5 MS/MSD RPDs, performed on L1203084-01, are above the acceptance criteria for Cl3-BZ#18 (32%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Peter Henriksen

Title: Technical Director/Representative

Date: 03/09/12

ORGANICS

PCBS

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-01
Client ID: S-11N-C015-1.0-1.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 17:59
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	9840		ug/kg	1320	--	1000
CI3-BZ#18	11700		ug/kg	1320	--	1000
CI4-BZ#52	12700		ug/kg	1320	--	1000
CI4-BZ#66	2970		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

DBOB	74	30-150
BZ 198	90	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-01
Client ID: S-11N-C015-1.0-1.5
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 17:59
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 15:06
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	10700		ug/kg	1320	--	1000
CI4-BZ#44	4050		ug/kg	1320	--	1000
CI5-BZ#101	1500		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	74		30-150
BZ 198	90		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 20:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	22400		ug/kg	1320	--	1000
CI5-BZ#118	ND		ug/kg	1320	--	1000
CI5-BZ#105	ND		ug/kg	1320	--	1000
CI6-BZ#138	ND		ug/kg	1320	--	1000
CI7-BZ#187	ND		ug/kg	1320	--	1000
CI6-BZ#128	ND		ug/kg	1320	--	1000
CI7-BZ#180	ND		ug/kg	1320	--	1000
CI7-BZ#170	ND		ug/kg	1320	--	1000
CI8-BZ#195	ND		ug/kg	1320	--	1000
CI9-BZ#206	ND		ug/kg	1320	--	1000
CI10-BZ#209	ND		ug/kg	1320	--	1000

DBOB	79	30-150
BZ 198	95	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/01/12 20:11
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI4-BZ#44	3190		ug/kg	1320	--	1000
CI4-BZ#66	3120		ug/kg	1320	--	1000
CI5-BZ#101	ND		ug/kg	1320	--	1000
CI6-BZ#153	ND		ug/kg	1320	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	79		30-150
BZ 198	95		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02 D
Client ID: S-11N-C016-2.0-3.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 15:09
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 13:56
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl3-BZ#18	43000		ug/kg	5300	--	4000
Cl4-BZ#52	63800		ug/kg	5300	--	4000

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-02 D
 Client ID: S-11N-C016-2.0-3.0
 Sample Location: NEW BEDFORD, MA
 Matrix: Sediment
 Analytical Method: 1,8082
 Analytical Date: 03/02/12 15:09
 Analyst: JW
 Percent Solids: 98%

Date Collected: 11/17/11 13:56
 Date Received: 11/23/11
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	31300		ug/kg	5300	--	4000

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-03
Client ID: S-11N-C031-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 14:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI2-BZ#8	1730		ug/kg	268	--	200
CI3-BZ#18	2640		ug/kg	268	--	200
CI4-BZ#52	3800		ug/kg	268	--	200
CI4-BZ#66	885		ug/kg	268	--	200
CI5-BZ#105	ND		ug/kg	268	--	200
CI6-BZ#138	ND		ug/kg	268	--	200
CI7-BZ#187	ND		ug/kg	268	--	200
CI6-BZ#128	ND		ug/kg	268	--	200
CI7-BZ#180	ND		ug/kg	268	--	200
CI7-BZ#170	ND		ug/kg	268	--	200
CI8-BZ#195	ND		ug/kg	268	--	200
CI9-BZ#206	ND		ug/kg	268	--	200
CI10-BZ#209	ND		ug/kg	268	--	200

DBOB	76	30-150
BZ 198	79	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-03
Client ID: S-11N-C031-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 14:25
Analyst: JW
Percent Solids: 98%

Date Collected: 11/17/11 14:10
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#28	2820		ug/kg	268	--	200
CI4-BZ#44	1190		ug/kg	268	--	200
CI5-BZ#101	438		ug/kg	268	--	200
CI5-BZ#118	ND		ug/kg	268	--	200
CI6-BZ#153	335		ug/kg	268	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	76		30-150
BZ 198	79		30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-04
Client ID: S-11N-C034-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 13:42
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
CI3-BZ#18	219		ug/kg	26.2	--	20
CI4-BZ#52	216		ug/kg	26.2	--	20
CI4-BZ#66	ND		ug/kg	26.2	--	20
CI5-BZ#118	ND		ug/kg	26.2	--	20
CI5-BZ#105	ND		ug/kg	26.2	--	20
CI6-BZ#138	ND		ug/kg	26.2	--	20
CI7-BZ#187	ND		ug/kg	26.2	--	20
CI6-BZ#128	ND		ug/kg	26.2	--	20
CI7-BZ#180	ND		ug/kg	26.2	--	20
CI7-BZ#170	ND		ug/kg	26.2	--	20
CI8-BZ#195	ND		ug/kg	26.2	--	20
CI9-BZ#206	ND		ug/kg	26.2	--	20
CI10-BZ#209	ND		ug/kg	26.2	--	20

DBOB	76	30-150
BZ 198	88	30-150

Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**SAMPLE RESULTS**

Lab ID: L1203084-04
Client ID: S-11N-C034-0.5-1.0
Sample Location: NEW BEDFORD, MA
Matrix: Sediment
Analytical Method: 1,8082
Analytical Date: 03/02/12 13:42
Analyst: JW
Percent Solids: 99%

Date Collected: 11/17/11 15:17
Date Received: 11/23/11
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/27/12 12:27
Cleanup Method1: EPA 3630
Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB Congeners (NOAA List) - Mansfield Lab						
Cl2-BZ#8	120		ug/kg	26.2	--	20
Cl3-BZ#28	166		ug/kg	26.2	--	20
Cl4-BZ#44	49.1		ug/kg	26.2	--	20
Cl5-BZ#101	ND		ug/kg	26.2	--	20
Cl6-BZ#153	ND		ug/kg	26.2	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
DBOB	76		30-150
BZ 198	88		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 03/01/12 15:48
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-04 Batch: WG520370-1					
Cl2-BZ#8	ND		ug/kg	1.33	--
Cl3-BZ#18	ND		ug/kg	1.33	--
Cl3-BZ#28	ND		ug/kg	1.33	--
Cl4-BZ#52	ND		ug/kg	1.33	--
Cl4-BZ#44	ND		ug/kg	1.33	--
Cl4-BZ#66	ND		ug/kg	1.33	--
Cl5-BZ#101	ND		ug/kg	1.33	--
Cl5-BZ#118	ND		ug/kg	1.33	--
Cl5-BZ#105	ND		ug/kg	1.33	--
Cl6-BZ#138	ND		ug/kg	1.33	--
Cl7-BZ#187	ND		ug/kg	1.33	--
Cl6-BZ#128	ND		ug/kg	1.33	--
Cl7-BZ#180	ND		ug/kg	1.33	--
Cl7-BZ#170	ND		ug/kg	1.33	--
Cl8-BZ#195	ND		ug/kg	1.33	--
Cl9-BZ#206	ND		ug/kg	1.33	--
Cl10-BZ#209	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	100		30-150

Project Name: NEW BEDFORD OU1

Lab Number: L1203084

Project Number: TO-0010-04

Report Date: 03/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 03/01/12 15:48
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/27/12 12:27
 Cleanup Method1: EPA 3630
 Cleanup Date1: 02/29/12

Parameter	Result	Qualifier	Units	RL	MDL
PCB Congeners (NOAA List) - Mansfield Lab for sample(s): 01-04 Batch: WG520370-1					
Cl6-BZ#153	ND		ug/kg	1.33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
DBOB	89		30-150
BZ 198	100		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520370-4 WG520370-5 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5												
CI2-BZ#8	9840	1670	11300	87		11500	99		40-140	2		30
CI3-BZ#18	11700	1670	18400	401	Q	13300	95		40-140	32	Q	30
CI4-BZ#52	12700	1670	14700	120		14200	89		40-140	3		30
CI4-BZ#66	2970	1670	4560	95		4410	86		40-140	3		30
CI5-BZ#118	ND	1670	1970	118		2030	121		40-140	3		30
CI5-BZ#105	ND	1670	1420	85		1360	81		40-140	4		30
CI6-BZ#138	ND	1670	2100	126		2070	123		40-140	1		30
CI7-BZ#187	ND	1670	1720	103		1660	99		40-140	4		30
CI6-BZ#128	ND	1670	1660	99		1600	95		40-140	4		30
CI7-BZ#180	ND	1670	1730	104		1700	101		40-140	2		30
CI7-BZ#170	ND	1670	1590	95		1540	92		40-140	3		30
CI8-BZ#195	ND	1670	1510	90		1460	87		40-140	3		30
CI9-BZ#206	ND	1670	2190	131		1640	97		40-140	29		30
CI10-BZ#209	ND	1670	1500	90		1460	87		40-140	3		30
CI3-BZ#28	10700	1670	15000	257	Q	12600	113		40-140	17		30
CI4-BZ#44	4050	1670	5540	89		5270	73		40-140	5		30
CI5-BZ#101	1500	1670	2900	84		2760	75		40-140	5		30
CI6-BZ#153	ND	1670	2350	141	Q	2240	133		40-140	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520370-4 WG520370-5 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
BZ 198	93		87		30-150
DBOB	75		74		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3								
Cl2-BZ#8	87		91		40-140	4		30
Cl3-BZ#18	89		98		40-140	10		30
Cl3-BZ#28	93		95		40-140	2		30
Cl4-BZ#52	95		94		40-140	1		30
Cl4-BZ#44	90		93		40-140	3		30
Cl4-BZ#66	90		92		40-140	2		30
Cl5-BZ#101	92		96		40-140	4		30
Cl5-BZ#118	89		93		40-140	4		30
Cl5-BZ#105	83		94		40-140	12		30
Cl6-BZ#138	98		96		40-140	2		30
Cl7-BZ#187	97		97		40-140	0		30
Cl6-BZ#128	93		91		40-140	2		30
Cl7-BZ#180	89		90		40-140	1		30
Cl7-BZ#170	92		93		40-140	1		30
Cl8-BZ#195	91		91		40-140	0		30
Cl9-BZ#206	98		100		40-140	2		30
Cl10-BZ#209	91		91		40-140	0		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	92		94		30-150
DBOB	81		86		30-150

PCB Congeners (NOAA List) - Mansfield Lab Associated sample(s): 01-04 Batch: WG520370-2 WG520370-3

Cl6-BZ#153	87		90		40-140	3		30
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Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
BZ 198	92		94		30-150
DBOB	81		86		30-150

INORGANICS & MISCELLANEOUS

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

SAMPLE RESULTS

Lab ID: L1203084-01

Client ID: S-11N-C015-1.0-1.5

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:06

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.3		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	46.4		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1203084**Report Date:** 03/09/12**SAMPLE RESULTS****Lab ID:** L1203084-02**Client ID:** S-11N-C016-2.0-3.0**Sample Location:** NEW BEDFORD, MA**Matrix:** Sediment**Date Collected:** 11/17/11 13:56**Date Received:** 11/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.2		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	39.7		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

SAMPLE RESULTS

Lab ID: L1203084-03

Client ID: S-11N-C031-0.5-1.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 14:10

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.3		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	42.1		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

SAMPLE RESULTS

Lab ID: L1203084-04

Client ID: S-11N-C034-0.5-1.0

Sample Location: NEW BEDFORD, MA

Matrix: Sediment

Date Collected: 11/17/11 15:17

Date Received: 11/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	98.6		%	0.100	--	1	-	02/27/12 09:00	30,2540G	KB
Solids, Total (Pre-Dried)	43.7		%	0.100	NA	1	-	02/24/12 09:01	30,2540G	KB



Lab Duplicate Analysis
Batch Quality Control**Project Name:** NEW BEDFORD OU1**Project Number:** TO-0010-04**Lab Number:** L1203084**Report Date:** 03/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG520326-1 QC Sample: L1203084-01 Client ID: S-11N-C015-1.0-1.5						
Solids, Total	98.3	98.3	%	0		20

Project Name: NEW BEDFORD OU1

Project Number: TO-0010-04

Lab Number: L1203084

Report Date: 03/09/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1203084-01A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-02A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-03A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)
L1203084-04A	Glass 250ml unpreserved	A	N/A	-3.2	Y	Absent	A2-TS(7),A2-PCBCONG-8082-NOAA(14),A2-TS-PREDRIED(7)

*Values in parentheses indicate holding time in days

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: NEW BEDFORD OU1**Lab Number:** L1203084**Project Number:** TO-0010-04**Report Date:** 03/09/12**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: NEW BEDFORD OU1
Project Number: TO-0010-04

Lab Number: L1203084
Report Date: 03/09/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A, 7470A, 7471B, 9040B, 9045C, 3050B, 3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

16:02

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab:

ALPHA Job #: L1119752

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program Criteria

Client Information

Client: Woods Hole Group Inc

Address: 81 Technology Park

B. Falmouth, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.COM

Project Information

Project Name: New Bedford OU 1

Project Location: New Bedford, MA

Project #: TO-0010-04

Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

-Project specific EDD + Data report

PLEASE NOTE *Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS										SAMPLE HANDLING		TOTAL # BOTTLES
PCB-Cong (NMAA-1F) PCB-Homologs										Filtration _____		
										☐ Done		
										☐ Not needed		
										☐ Lab to do		
										Preservation		
										☐ Lab to do		
										(Please specify below)		
Sample Specific Comments												
X	X									KQ19 KQ19	1	
X										KQ19	1	
X										KQ19-Archive	1	
X	X									KW12A	1	
X	X									KW12A-Archive	1	
X										KW12A	1	
X										KW12A-Archive	1	
X										KT15	1	
X										KT15-REP	1	
X										GG21	1	

Container Type A A

Preservative A A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

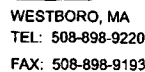
Date/Time

Dave Walsh

11/23/11 1100
11/23/11 1503

YAG

11/27/11 1100
11/23/11 1503

PAGE 1 OF 1

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

16:02

Client: Woods Hole Group Inc

Address: 81 Technology Park
B. Ralmouth, MA 02536

Phone: 508-540-1001 ^{se} ←

Fax: 508-540-8080 ←

Email: DWALSH@WHGRP.COM

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

1 Project specific EDD + data report

PLEASE NOTE • Please Homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Project Name: New Bedford OU 1

Project Location: New Bedford, MA

Project #: TA-0010-04

Project Manager: Dave Walsh

ALPHA Quote #:

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: _____ Time: _____

ALPHA Job #: ~~2119752~~

Billing Information

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
-------------------	----------

ANALYSIS
PCB - Cong (HCHAAH)
PCB Homol

SAMPLE HANDLING

Filtration

☐ Done☐ Not needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

— C
— A
1

E
C
T
T
U
E
S

[illegible]

Container Type	A	A
----------------	---	---

Preservative	A	A
--------------	---	---

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



MANSFIELD CHAIN OF CUSTODY

PAGE 4 OF 4

Date Rec'd In Lab:

ALPHA Job #: L1203084
L1119752WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

16:02

Client Information

Client: Woods Hole Group Inc

Address: 81 Technology Park Dr

B. Ralmonth, MA 02536

Phone: 508-540-8080

Fax: 508-540-1001

Email: DWALSH@WHGRP.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

• Project specific EDD and data report

PLEASE NOTE • Please homogenize samples before analysis
MS/MSD (at unit cost) will be omitted unless you check here: ☐

Project Information

Project Name: New Bedford OU 1

Project Location: New Bedford, MA

Project #: TO-0010-04

Project Manager: Dave Walsh

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX☒ EMAIL☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State Fed Program

Criteria

ANALYSIS										SAMPLE HANDLING		TOTAL # BOTTLES
PCB - Cong (NA 44 18)										Filtration _____		
PCB Homologs										☐ Done		
PCB Homologs										☐ Not needed		
										☐ Lab to do		
										Preservation		
										☐ Lab to do		
										(Please specify below)		
Sample Specific Comments												
X											KM17	
X											KU20	
X											KU20 - Archive	
X											KL20	
X											KL20 - Archive	
X											KL20 - Archive	
X	X										KM23	
X	X										KM23-REP	
X											KQ23	
X											KQ23 - Archive	

Container Type

A A

Preservative

A A

Relinquished By:

Dad [Signature]
H. CM

Date/Time

11/23/11 1100
11/23/11 1503

Received By:

Y. CM [Signature]
[Signature]

Date/Time

11/23/11 1100
11/23/11 1503

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



Data Validation Report

EPA Region I Tier I+ NOAA Congeners by 8082

Client/Company: Woods Hole Group, Inc. (WHG)

Site/Project Name: New Bedford Harbor Superfund Site – OU1

Laboratory: Alpha Analytical – Mansfield, MA

Lab Project Number(s): L1203084

Date(s) of Collection: November 17, 2011

**Number / Type
Samples & Analyses** 4 post-dredge sediment core samples for 18 NOAA Congeners by EPA
SW-846 Method 8082

Senior Data Reviewers: Nancy C. Rothman, PhD, New Environmental Horizons, Inc.
Susan D. Chapnick, New Environmental Horizons, Inc.

Date Completed: April 4, 2012

This EPA Region I Tier I+ validation for PCB Congeners and was performed with the following intentions: 1) to determine if the data were generated and reported in accordance with the *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum, New Bedford Harbor Superfund Site, Operable Unit 1 (OU1), New Bedford, MA, Rev. 4.0*, prepared by Woods Hole Group, Inc., July 2011 (NBH OU1 QAPP Addendum 2011); Region I, *EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996, including *Part III – Pesticide/PCB Data Validation Functional Guidelines*, Draft February 2004; 2) to determine if the data met project data quality objectives for acceptable accuracy, precision, sensitivity; and technical usability; and 3) to generate an electronic deliverable of validated results with project-specific data validation qualifiers added.

The Data Validation Report consists of three parts:

- This Data Validation Report letter summarizing the actions taken;
- The database file of validated sample results with validation qualifiers, bias, and comments added based on actions taken; and
- The Data Review Checklist completed during this validation to document the Tier I+ review. The Checklist is an integral part of the DV Report as it contains comprehensive details of all quality control (QC) reviewed, the acceptance criteria used, and the professional judgment and actions taken.

I. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification analytical parameters reviewed and the quality control (QC) results (as applicable) of Matrix Spike (MS), Matrix Spike Duplicate (MSD), Matrix Duplicate (MD), Field Duplicate (FD), Field Equipment Blank (EB), and Trip Blank (TB), are listed below in Table 1.

Table 1. Sample Descriptions and Analytical Parameters Validated

Sample ID	Lab Sample ID	Collection Date	Matrix	Analytical Parameters	Sample Type
S-11N-C015-1.0-1.5	L1203084-01	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample [used for MS/MSD]
S-11N-C016-2.0-3.0	L1203084-02	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C031-0.5-1.0	L1203084-03	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample
S-11N-C034-0.5-1.0	L1203084-04	11/17/11	Air-dried Sediment	18 NOAA Congeners	Field Sample

Analytical method references:

18 NOAA Congeners: *Polychlorinated Biphenyls (PCBs) by Gas Chromatography* in EPA's Test Methods for Evaluating Solid Waste, Physical Chemical Methods, SW-846, Third Edition, Method 8082, Rev. 1, February 2007.

II. Data Validation Report Summary

This Data Validation Report represents a Tier I+ validation of 18 NOAA PCB Congener sample results and summary QC (method and matrix), which were used to evaluate accuracy, precision, and sensitivity compared to the NBH OU1 QAPP Addendum 2011 requirements.

The following QC elements, as applicable to the analytical methods, were reviewed:

- Data package completeness and reporting protocols
- Sample receipt, holding times and preservation criteria

- Blank results including Method Blanks, Equipment Blanks, & Trip blanks
- Laboratory Control Sample (LCS) recoveries / LCS Duplicate Recoveries
- Surrogate Recoveries
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) Recoveries
- MS/MSD, LCS/LCSD, sample/Laboratory Duplicate (LD), or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including compound lists, reporting limits, and units)
- Calibration criteria* (including tune criteria, initial calibration and continuing calibration verification)
- Internal Standard (IS) Recoveries*
- Retention Time windows*
- Other method-specific QC if applicable and reported* (e.g., serial dilution results for metals)
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

* This QC element is reviewed associated with the Tier II-type validation only. For Tier I+ validations this QC element is assumed to be acceptable unless otherwise noted in the laboratory narrative.

Based on this Tier I+ validation of 18 NOAA PCB Congeners, all results were considered usable for project decisions based on a comparison to the NBH OU1 QAPP Addendum 2011 requirements and with the understanding of the potential uncertainty (bias) in the qualified results summarized in Table 2. NEH generated electronic validated results based on the project database file received from WHG for these data, by updating the following database fields for field samples and field QC only: VALID_QUAL, VALIDATION_LEVEL, VALIDATION, VALID_DATE, BIAS, and DV_COMMENT.

The remainder of this report documents “exceptions” to the NBH OU1 QAPP Addendum 2011 criteria or clarifications of data reported. QC elements not discussed below met all QAPP criteria. The full documentation of all QC elements reviewed during the Tier I+ validation are presented in the attached Data Review Checklist.

Sample Receipt and Holding Time

The post-dredge sediment cores were collected on November 17, 2011 and aliquots of the cores were generated by Dave Walsh, WHG, for PCB Congener analysis. The cores and aliquots were frozen by WHG to arrest holding time prior to shipment to the laboratory. The post-dredge sediment core samples were received intact frozen on November 23, 2011 and the four samples reported in this SDG were “Archived” in frozen storage, as requested on the Chain-of-Custody. On February 24, 2012, WHG requested the analysis of the four samples reported herein and “as received” percent solids analysis was performed on the samples. All samples had percent solids content of 39 to 46%; therefore, these sediment core samples were air-dried, as required by the QAPP, prior to Congener analysis. The laboratory maintained the same Lab Sample ID for both the “as received” and “air-dried” sediment aliquots.

After air-drying, the percent solids content for all samples was greater than 98%. These air-dried samples were extracted on February 27, 2012. As a consequence of the freezing of the aliquots by WHG, these samples were considered to have been extracted and analyzed within holding time.

Accuracy

The Method Blank was non-detect for all Congeners; therefore, blank action to negate sample data was not required. There was no Equipment Blank required to be collected these core samples.

LCS/LCSD accuracy was acceptable for the 18 NOAA Congeners.

Based on the high levels of PCB Congeners expected for these post-dredge cores, the laboratory used a “high level” surrogate spike so the concentrations were appropriate for the expected sample concentrations (see QAPP 2011 for further discussion of surrogate spiking solution levels). All surrogate recoveries met acceptance criteria for the samples in this SDG.

MS/MSD analysis was performed on sample S-11N-C015-1.0-1.5 and three Congeners (BZ#18, BZ #28, and BZ#153) reported high MS recoveries. No action was required since either the spike level was too low for recovery results to be meaningful or the unspiked sample was non-detect for the Congener.

Precision

MS/MSD precision was acceptable for all NOAA Congeners except 2,2',5-Trichlorobiphenyl (BZ#18) associated with the analysis of sample S-11N-C015-1.0-1.5. The result for 2,2',5-Trichlorobiphenyl was estimated (J) in S-11N-C015-1.0-1.5 with indeterminate bias as a consequence of the observed imprecision. These results indicate generally acceptable precision for the 18 NOAA Congeners in the laboratory analysis of these samples.

There were no field duplicate (FD) samples associated with the samples in this SDG. Therefore, precision and representativeness from sample collection thorough analysis could not be evaluated.

Sensitivity & Reporting

All samples were analyzed with various dilutions to report all Congeners within the instrument calibration range. For these samples, all reporting limits (RLs), reported as DETECT_LIMIT in the validated EDD, were increased as a consequence of the dilutions made (RLs were all higher than the 5 µg/Kg PQL given in QAPP Worksheet #15 of the NHB OU1 QAPP Addendum 2011). However, Total PCBs (as the sum of all detected Congener results) for these samples were detected in all sediment samples at a level above the Project Action Limit (PAL) for Total PCBs given in Worksheet #15; therefore, sensitivity was considered acceptable.

The laboratory reported all results with a “D” qualifier. At Battelle’s request, these “D” qualifiers were maintained during the DV process.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
S-11N-C015-1.0-1.5	2,2',5-Trichlorobiphenyl	DJ	I	MS/MSD imprecision

Qualifiers: U = Analyte is non-detect at or above the sample-specific reporting limit (RL); UJ = Non-detect is estimated at the RL; J = Result is estimated; EB = analyte detected in associated equipment blank; EMPC = estimated maximum possible concentration (PCB congeners only); R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2:

MS = Matrix Spike

MSD = Matrix Spike Duplicate